

APPENDIX B: AMINO ACID SEQUENCES

> RXA00009 (1-900, translated) 300 residues
MAFGYVLREA VRGMGRNVTM TIALIITTSI SLALLATGFL VTNMTDRTKD IYLDREVEVMI
QLDEDTSSAND PECTAESCTE VRDVLEGLDG IDSITYRSRE ASYERFVEVF KDTDPVLVAE
TSPDALPAAF HVRLEDPLAV EILDPVRDLP QVSNVIDQVD DLRGATENLD SIRNATFLIA
AVQVLASIFL IANMVQIAAF NRREETEIMR IVGASRFYTQ GPFVFEAILS TLIGAVFAVG
ALFLGKELVI DKALRGLYDS QLIAPVTTTD IWLVAPIISG IGVVIAGIIA QLTLRFYVRK

> RXA00010 (1-687, translated) 229 residues
VITFENVTKN YKTSTRPALD NVSLHIEKGE FVFLIGPSGS GKSTFLRLMT REENVSSGSL
TLADFQVNKL RGTQVNKLRLQ RIGYVFQDFR LLKNKNVYDN VAFALVIGK KKDKIQELVP
ETLEMVGLAG KANRMPNELS GGEQQRVAIA RAFVNRPLVL LADEPTGNLD PDTSEIMIL
LNRINRLGTT VVMSTHNART VDDMRRRVIE LQLGKLVRDD AHGVYGERM

> RXA00024 (1-945, translated) 315 residues
MEHGVTVIKG TEFDVFPLNL GGNTFGWTSN REQTFVLDA FVAAGGNFVD TADSYSAWVE
GNEGGESERE LGAWIKERGA DKLIIATKSG ALEPVAGRSR EATFKAVEGS LERLGVESID
IFYHYHDEA VSIDEQVAIA NDLIAQGKIK HLALSNYSAE RLAEFFEKSV GTPAQPVALQ
PHYNLVSRLD YEENVQPLAE KHGVAVFPYF ALAAGLLTGK YTSKEDISGK ARAGQLDRYA
SDEAFVAVTE LRAVADELGV APTTVALAWL VAHGVTAPIA SVSKVEQLKD LMAVKDVELS
AEQLARLDKV SEPFA

> RXA00026 (1-1386, translated) 462 residues
MSTDNFSPQV PSTVYLDYME QGIAARKAEA ESNASTKGES PDYPGQQVIW RLIQEAGESL
RDELRTLAFT LHDHPEEAFE EVFATEEITK LLQNHGFVQ SGVYGVKTAL ETSFETPGYD
PAQHPSIAIL AEYDALPEIG HACGHNIIAA AGVGAFLAVT NMIKTAEVKG VDHLDFEGRI
VLLGTPAEEG HSGKEYMIRN GAFDGIDASI MMHPFGFDLA EHVWVGRRTM TATFHGVSAAH
ASSQPFMGKN ALDAASLAYQ GFGVLRQOMP PSDRLHAIIT EGGNRPSIIP DTATMSLYVR
SLLPEALKDI SKRVDDVLDG AALMAGVGVE KQWDVHPASL PVRNNHVLAR RWAKTQNLRG
RTALSEGILP DTLAASDTEG NVSHLVPGIH PMVKISPENV ALHTKEFAAY ARTEEAIDAA
VDAAIGLAQV AVDALADPQM LIDATLEFTN SGDVLKVG DY LA

> RXA00048 (1-1659, translated) 553 residues
MNHDECDLD NVVQFTIQEG LDPMSPNFND TDVCIVGGGP TGTLLAVLLG QKGRVITILE
KWPTFYERPR AVTFDHEIAR ILGYIGIDSE NDEAIDYHSD SYDWKNAAGE TLLEVDWTSM
TDSGWTRYW FYQPELEKRL RDLALTMDFV DIRCGFTAVG LSQDENSAIL HGIVTDTPEN
IPADAQREDI RAKYVIGADG ANSFVRNSLG LEMNDLGYFF DWLILDLPKT QDIDYGTDPH
QLCDPKRPTT IVPGGPGRRR WEFMALPGED LKELASEESA WNLLEPWDVT PGKAILERSA
VYRFQARWAQ EWRSGRALIA GDAAHLMPPF AGEPMCAGLR DSLALAWRLD LVLSGKSDDA
LLDTYGEERR EHVHYIDFS MDLGNVICIT DEDEARLRDE RMIKELEAQD GVPVNTDVAH
LGPGIWDKDS SHGGELAKQG IVEYQGRKAR FDDAVGRGWA VLGLNTDPRE VLDEDSLVAL
DAIGAIVESV GDATSAVLVDV EGLYTRWLKE AGATFIITRP DFYVYSTAVD AEQLQTQIKQ
LSDLLHLNSV VGA

> RXA00070 (1-432, translated) 144 residues
VGINRISQGS APKLGVRSTR QRKAVIDVLE EIDNFASAKE IHHELSTREH NVGLTTVYRT
LQSLADIGAV DVLTVTGGET LYRQCHDEGH HHHLVCTNCG RTVEIDGGPV ETWAQEIATK
NGFALSSHEA EIFGLCADCK EKV

> RXA00072 (1-441, translated) 147 residues
MSFQLVNALK NTGSVKDPEI SPEGPRTTTP LSPEVAKHNE ELVEKHAAAL YDASAEILE
WTAEHAPGAI AVTLAMENTV LAELAARHLP EADFLFLDTG YHFKETLEVA RQVDERYSQK
LVTALPILKR TEQDSIYGLN LYRSNPA

> RXA00078 (1-414, translated) 138 residues
MKADLTPYRQ FNGNAKEAME FYQTVFGGEL QMPFSAHMS EEEVGGDGEK IMHAELVVDG
QKLLFASDIP RVMQRMKGED TPLSLTGGAEE LEEEIRGYWE KLSEGGTVTM PLEAVPWGAV
YGALEDRFGT HWMFNIGG

> RXA00088 (1-1014, translated) 338 residues
 MVKNRFLKVS IATVAALALV GCSSTDSTSS ESSSAAESTA AASTLTIEDN HGTEGISLP
 EGVAATDNRA FELLDRWGV LVAAPLQLVP FTVTGYTEEG GVANLGSHRE PDLEALAAAQ
 PSLLIINGQRF AQYYDDIIAL NPDA TVVELD PRDGEPLDQE LIRQAETLGE IFGEEEDAAK
 IVADFESALE RAKTAYAAIS DQTVMAVNV GGNIGYIAPS VGRTYGPIFD LVGLTPALEV
 GNASSDHEGD DINVEAIAAA NPDLLVMDR DGGTSTRNEA DYVPAEQIVS DNEALANVKA
 VTDGYVYYAP ADTYTNENII TYTEILNGMA DMFEKAAQ

> RXA00100 (1-600, translated) 200 residues
 MILDWVISIM EALGAVGVGV AVFLENVFP IPSEVVLPLA GFTTTQGD LN VWAAALMWSVI
 GSVSGAFLLY GLGRSIGAAR LRQVADWMWL VDATDVKSL SWFEKYGKYS VFFGRLVPGV
 RSLISIPAGV DKMNPVLFV LTAVGSTIWN AVLIWTGVWL GAEWETVSMW FESYSTIIV
 GIALIXAYVL FGLVRRRIKT

> RXA00111 (1-993, translated) 331 residues
 MAFFSFSTSP LTRLIPGSR KATGAKRRLS STIASIERSP GIIALDGPFT HDHVSVRGIR
 LHLAEGSPT KPLVLLIHGA FGGWYDYREV IGPLADAGFH VAAIDLRGYG MSDKPPTGYD
 LRHAAGELSS VIAALGHDDA LLVGS DTGAS IAWAIASMP ERVRGLISLG AIHPLDMRRA
 IRRKPHLHVS DLSRLAPFRL PSFLHNLHFH GITSEARREI VNNTSSSYQR SNAFTETVLL
 RKKALSIDHT ITPIIRTNRY LVGSIPSKTV SAPVWLLRTN TRRWEHLANT ARTRTTGPFT
 TIAIPGGYEL PYLENPSEFA ATIAEFARTT F

> RXA00112 (1-1191, translated) 397 residues
 LSPSLVVDV IVLVMAFALW GGWRQGAFTS LLSTVGVS LGVAAAAPF VMGLTDSTAL
 RFLLAIGTVV LLVGLGNLIG AHLGAAIRDN IKFRSSRTLD SGLGAIFQVL ATLIVVWLVA
 IPLATGLPGT VASGIRDSRI LGFVDKYTPQ GLDTLPSKIA AMLSESLPP LISPTGGSS
 VEVDAP EINV TNVDLVEAMR PSVIHVMGDA QECRRRLMGS GFVASPDYV TNAHVVAGTS
 TVSLDTMIGT RSAEVVFYDP NLDIAVLYSP DLGLDPLPWA STPLDTGDEA IVMGFPQSGP
 FNASPARVRE RIMITGSNIY ANGQHEREAY SVRGSIQSGN SGGPMTNEMG EVVGVVFGAA
 IDGSDTGYVL TAEVQERIG DITALTQ PVD TMQCAVS

> RXA00133 (1-813, translated) 271 residues
 MLFVRRLTSL KTATGIPVTM FATVLQDNRL QITQWVGLRT PALQNLVIEP GVGVGGRVVA
 TRRPVGSDY TRANVISHEK DSAIQDEGLH SIVAVPVIH REIRGVLYVG VHSVRLGDT
 VIEEVTMTAR TLEQNLAINS ALRRNGVPDG RGS LKANRVM NGAWEQVRS THSKLRMLAN
 RVTDEDLRRD LEELCDQMT PVRIKQTTKL SARELDVLAC VALGHTNVEA AEEMGIGAET
 VKSYLRSMR KLGAHTRYEA VNAARRIGAL P

> RXA00135 (1-1254, translated) 418 residues
 VKDKFLVTGG AQLQGA VKVY GAKNSVLKLM AAALLAEGTT TLTNCPEILD VPLMRDVLVG
 LGCDVTIDGS TVTITTPAEL SSNADFP AVT QFRASVCVLG PLTARCGRAV VSLPGGDAIG
 SRPLDMHQSG LEKLGATTRI SHGAVVAEAE KLVGANITLD FPSVGATENI LTASVMAEGR
 TVLDNAAREP EIVDL CRMLR SMGANIEGEG SPPITIEGVE KLTPTQHEVI GDRIVAGTWA
 YAAAMTRGDI TVGGIAPRYL HLPLEK LKIA GAKVETYENG FRVQMDKQPE ATDYQTLPPF
 GFPTDLQ PMA IGINAVSNGT SVITENVFES RFRFVDEMLR LGADANVDGH HVVIRGIEQL
 SSTSVWSSDI RAGAGLV LAA LCADGVTEVH DVFHIDRGYP NFVENLQKLG ATIERVSS

> RXA00137 (1-1089, translated) 363 residues
 MALADTRFAT RRRALA AKLA AQRIDSILVT SPIHVRYLSG FTGSNGALIV NKDLSAQICT
 DGRYTTQIAE EVPDIEALIE RASATTL LAQ VEGPRRIAIE AAQTTLDQLD SLREATQEDV
 ELIPVSGVVE SIRLT KDSFE LDRLRDVAAL ASQAFEDLLA AGELAEGRSE RQVAADLEYR
 MRLGAERPS FDTIVASGPN SAKPHHGAGD RILQRGDLVT IDFGAHARGF NSDMTRTLVM
 GEAGEFEAEI YDIVLRSQLA GVEAAYSGAN LFDIDAACRK IIEDAGYGEY FVHSTGHGIG
 LEVHEAPSAS KTSQGVLETG STLTIEPGIY VPGKGGVRIE DTLIITSGAP EIITKVS KDL
 IVV

> RXA00139 (1-711, translated) 237 residues
 LIEQE QREQN VSERRQDYKR HGSRYKARMR AVDILFEAES RDVDPVAIID DRHKLARDTN
 PIVAPVAEYT ETIINGVAVE LDTLDVFLAE HIAETWTLGR LPSVDRAILR VASWEMIYNA
 DVPVTTAIVE AVEIASEYSG DKSSAYINAT LDAMASKVET LRERANPEA VLAEASESLD

DAPVAPWDDS DALDDSD EDF EAVDAAEVFE AEETVEVSEV AEDSEVSKVS EEKADES

> RXA00143 (1-1482, translated) 494 residues

MVWDWHTRKG AVARLT PPF I PLNPITQAER LADGTTIFSL PAGLKWVARH DLSGFLNGSR
FTDVCLTAPV KALANWRHVH NFVDQDGGTL ITDSVSTRLP ASTLTGMFAY RQTQLIEDLK
FLSRTSTLFD GSPLTVAITG SRGLVGRALT AQLQTGGHEV IQLVRKEPKP GQRFDWPLNP
ASDLLDGADV LVHLAGEPIF GRFND SHKEA IRESRVLPTK FLAELVAEST QCTTMISASA
VGFYGHDRGD EILTEESSEG DDFLAEVC RD WEHATAPASD AGKRVAFIRT GVALSGRGGM
LPLLKTLFST GLGGKFGDGT SWFSWIAIDD LTDIYYRAIV DAQISGPINA VAPNPVSNAD
MTKILATSMH RPAFIQIPSL GPKILLGSQG AEELALASQR TAPAALENLS HTFRYTDIGA
AIAHELGYEQ LADFAQQQEI EAERKQERAE LKAAKKIAKK APVLEESPTN LEDPEEVEQS
ILSSILNFRR KRND

> RXA00152 (1-1296, translated) 432 residues

MTGLILAIVF LVFVAVVVIK SIALIPQGEA AVIERLGSYT RTVSGGLTLL VPFVDRVRAR
IDTRERVVSF PPQAVITQDN LTVAIDIVVT FQINEPERAI YGVDNYIVGV EQISVATLRD
VVGGMTLEET LTSRDVINRR LRGELDAATT KWGLRISRV LKAIDPPPSI QQSMEKQMKKA
DREKRATILT AEGQREADIK TAEGEKQAKI LQAEGEKHAS ILNAEAERQA MILRAEGERA
ARYLQAQGEA RAIQKVNAAI KSAKLTPEVL AYQYLEKLPK IAEGNASKMW VIPSQFSDSL
EGFAKQFGAK DAEGVFRYEP NTVDEETRDI ANADNVEDWF STESDPEIAA AVAAANAVAN
KPVDPPEGEI LSKKTARRVE PEAVLEALQN GTTQPEVEA APPTANFAQE FPAPQANPED
YSDQHRENPY GN

> RXA00177 (1-288, translated) 96 residues

LPYVLAFNAP YAPQAEQRAA AAFGSATALE GLQQLRAQVG APQRLSDYGF TAAGIPEAVE
IILEKVPANN PRTVTEENLT ALLTTALNGD DPATLN

> RXA00178 (1-885, translated) 295 residues

MTISAQQQAV EEDLVERVLA SFDSCENPRL KLVMKSLTVH LHDFIRDVRL TEEEWNYAID
FLT KVGHITD DKRQEFVLLS DTLGASMQTI AVNNEAYEDA TEATVFGPFF VDDAPLVQNG
DDIAFGAVGQ PAWVEGTVKD TEGNPIPNAR IEVWECEDEG LYDVQYADER SAGRAHLYSD
ENGEYHFWGL TPVPYPIPHD GPVGQMLQAV GRSPVRC A HL HFMVTAPEKR TLVTHIFVEG
DPQLEIGDSV FGVKDSLICK FVEQPAGTAT PDGRDVG DQT WARTRFDIVL APGNV

> RXA00191 (1-1419, translated) 473 residues

MSFKRRSLAI TCAITSSIVL AGISGTAAQ SSVVSGSSGL LSSSELHPET PAPLDAPKNI
IYMIGDGMGY NHVSATNLFE TGQTMHQVEG EPGSVTPVEG GTPVQAFEGA EWTQLAQSTF
QDGNSYDPER AWADHNYVNE NFTDSAAAGT AMATGVKTTN GMIGINPANE PAKNTSEYAI
EKGKAAGVVS SVPFNHATPA AWAHNSNRN DLHMAEEMI NSDLNVIMGA GHFFFDNNGN
PITEADEDYM QASQYERLAS GETDFTFVEE DADFEALANG QVESDKYFGL AQVEDPLQHD
RDGDSVTPYD VPLNDVVDLS TMSKAALNVL NQDEDEGFHIM IEGGAIDWAG HANDMARDIE
EVQEFNKAVE TVIEWVETNS SWDETLVIVT ADHETGYMTG PNDDPNWSAM TGAAGIVPNH
GWHSGNHINQ LVPVFARGAG VSDIVAAADQ VDPIRGNYID NIEIANLTFN KWW

> RXA00226 (1-825, translated) 275 residues

MNLSMPAFAT WVLILDFSRT LMAAHNLQ GK NALIFRADAL QPASRGADVI IADPARRAGG
KRITNPAQLL PPLPSLLDAW INQPLAVKCA PGLDFSEWPG LVSIASVDGG VKEACLYTTD
LADGETREAI VIKDGLIDRI TNFEDDATGQ DLAAAPGEFI IDPDGAIVRA GLVRHYAVRE
QLWMLDERIA YLTGNRIPEG TSGFRFIEEV PLKKLSAMA AHDAGAVEIL VRGVDVDPDQ
LRKRLQLKGT KAMSVVITRI GSRGVALICG PRERA

> RXA00231 (1-789, translated) 263 residues

DRLRKVSFTG STPVGQQLLK KAADKVLRTS MELGGNAPFI VFEDADLDLA IEGAMGAKMR
NIGEACTAAN RFLVHESVAD EFGRRFAARL EEQVLGNGLD EGVTVGPLVE EKARDSVASL
VDAVAEGAT VLTGGKAGTG AGYFYEPTVL TGVSTDAAIL NEEIFGPVAP IVTFQTEEEA
LRLANSTEY G LASVFTQDT SRIFRVSDGL EFGLVGVNSG VISNAAAPFG GVKQSGMGRE
GGLEGIEEY T SVQYIGIRDP YAG

> RXA00249 (1-954, translated) 318 residues

GVFTTFQGVVL LVDARHGVE QTRRHLVSVA LLGVRTVILA VNKIDLVDYS EEVFRNIEKE
FVGLASALDV TDTHVVPISA LKGDNVAEPS THMDWYTGPT VLEILENVEV SHGRAHDLGF

RFPIQYVIRE HATDYRGYAG TINAGSVSVG DTVYLPEGRT TQVTHIDSAD GSLQTASVGE
 AVVLRLAQEI DLIRGELIAG EDRPESVRSE NATVVGLADR TIKPGAARKV RYGTSLVRGR
 VAAIERVLDI DGVNDNEAPE TYGLNDIAHV RIDVAGELEV EDYAARGAIG SFLLDQSSG
 DTLAAGLVGH RLRNNWSI

> RXA00277 (1-1584, translated) 528 residues

MKDNEDFDPD SPATEAVAFN PFDDDDDEDD PATAVAFNP FEDDDDDDEF QGEGLEFLLR
 DLDNLRATQG QMVVEQPAVE DSLGSASAHT ETAAASLRPR PEVDPSERSR RQAIISFRER
 RRVRRQSRPV ADGMVELPFI TPKPEDELLI DPEKKRKPGV AAPQLVAGDI VAEQYEV LGV
 IAHGGMGWII LANDRNVSGR IVVLKGMAQ SSVQDQGTAE AEREFLADIT HPGIVKAYNF
 IDDPVPVGGF IVMEYVNGPS LKDRCKAQPD GVLRVDLAIG YILELLPAMD YLHQRGVVYN
 DLKPENVIAT EDQVKLIDLG AVTGIGAFGY IYGTGKFQAP EVATHGPSIS SDIFTIGRTL
 AALTMPLPVE DGV LAPGIPS PKNSPLLRRH LSFYRLLQRA TADDPQHRFR NVSELRTQLY
 GVLREILAVR DGKQYPPQHS LFSPQRSTFG TKHLVFRTDR IIDGIERQAR ITAPEIVSAL
 PVPLIDRTDP GARMLSGSSY AEPSETLETL RNSMEDEQYR QSIEIPLG

> RXA00299 (1-744, translated) 248 residues

MLPNHSPYVI AEQFGTLAEL YPDRIDLGMG RAPGTMNTL RALRRDPQSA ENFPDSDVVEL
 NSYLTGRSRL PGVNAIPGKG TNVPLYILGS SLFGAQLAAQ LGMPYSFASH FAPTHLEHAV
 QTYRDNYQPS EQHPEPYVIA AVNVTASDST EQAHDDFYKV ARARVKNMAL RGRQVTDEQL
 DELMDSPAAR QIVDMLHYTA IGTGSEVKEY LDGFVKTAQA DELMISLQSP NTEATTRNME
 ILADAWIN

> RXA00332 (1-702, translated) 234 residues

MAFNKAYDAL RAPQITLGLM TPNGPELGRS EMVPTENSIE LAIQAEAQGF RGMWVRDVPL
 AVPQGITVTD KQATYLDPPF LMLGAMASVT STIALGTAAT VLPLRHPLHV AKSALTLDR
 SHGRFVLGIG SGRDPEEFEI FGKSLDNRRR DIQSGWAILR AALSPDPAMR ADLEFAPTP
 PEAQIPMIAV GSARQTVQWI ARNADGWATY YRPAEAQVGR LDLWDKARGG TRPC

> RXA00354 (1-636, translated) 212 residues

GLIGANGGYV ESAQESVFHR RLSGEETRHI VEWLYNRGLE FYLESNNGLY ASRGFREASK
 PVLSRLSEKT DVTVDSDMYPD MFWGASLDRD DVNKISYIFN SQEDLDAARE AFPNLEHTTW
 GGQTGALFGT IGVSVNKKIG VDRLLKYLNA DRANTIAFGD SDEDLSLFEA SAYGVAMGEA
 TESLKAADL VTDVAVQDGL RNAFLKLELI DA

> RXA00372 (1-1077, translated) 359 residues

MSSKHPLKRT AVTVFALGAS AALLVACSEP SEDVSTAETT TASSSANASD AAGEKVTITV
 YTSEPEEKVD EINKAFMEAN PDIEVEVYRA GTGDLTARIE AEKASGSIEA DVLWAADAAT
 FETYAAQGD L AELEDVETSD IIEEALDAEN FYVGTRIPT VIAYNTEVVD QALPTSWAD
 LTDPKYAGQL VMPDPAVSGA AAFNASVWKN DPALGEAWIT ALGENQPMIA QSNQPTSQEI
 AGGGHPVGIV VDYLVRDLAA AGSPIDTIYA SEGSPYITEP AGVFADSEKK EAAERYINFL
 LSVEGQEIAV EQAYLPVRED VGTPEGTPEL ADIELMTPDL EVVTADKAAA VEFFQNAMN

> RXA00470 (1-1200, translated) 400 residues

MIEDMSNTPA PYTPQAGQA VPLYPTFTRS RDGRVVAGVA SGLAKHLNVS VFWVRALLIF
 AALLSGAGLF AYALIWIFTR IEKKGSGEAS TSKRWVSWCL VLLAIGGAAA SVMLSTGFAV
 GTLVPIGVVG VGLLMVWLAY DRGVESGPNL LIIATGGVLM LVAIVLIVMN WNTQDGFVMA
 LVAVVLTIVG VAALGVPLWV RMWDQLGEER AEKAAAAERA DIASRLHDSV LQTLALIQKR
 ADDPAEVARL ARGQERELRQ WLFDSQDKTP QTTGTVFTAL ERACGEVEDI YALRIVPVTV
 GTDEALTEKT QAAVMVREA LVNVAKHAGV ETADVYAEIM LGELNIFVRD RGAGFDPDNI
 PDGHHGLAES VQGRVERAGG KVKRIKSEIGE GTEVAITMDV

> RXA00471 (1-690, translated) 230 residues

MVDVFLVDDH SVFRSGVKAE LGNAVTVVGE AGTVADAVAG IKASKPEVVL LDVHMPDGGG
 LAVLQQINDS DVDTIFLALS VSDAAEDVIA IIRGGARGYV TKSISGEELI EAINRVKSGD
 AFFSPRLAGF VLDAFAAPDS AAGAGIVDAP EKDAAVESGK ILDDPVVDAL TRRELEVLR
 LARGYTYKEI GKELFISVKT VETHASNILR KTQQSNRHAL TRWAHSRDL

> RXA00499 (1-957, translated) 319 residues

GNDILEKPTA EVVEYLSHLR ADGIVRDAEA LRKHLGVNQW NLLGQSFGGF TTLHYLSRHA
 DSLDNVFIGT GLSAIDRPAE DVYANCYNRM RRNSEEFYRR FPQLRETFRG LVNRARAGEI

VLPTGEVVSE TRLRSLGHLL GSNDGWFDLY NLELDPTS N AFVHDLA GLLPFGNRNPIYY
VLHESYADG VVTNWA AERV LPEDFREDPT LLTGEHV FQEWTDTPVSLKP WKDVALALAAQ
QEWPKLYDAK ALENSQAKGA AAVYANDVFV PVDYSLETAQ HLPGVQLFIT SQHEHNGLRA
SSGAVLKHLF DLAHGREV

> RXA00500 (1-675, translated) 225 residues
VLVLALDTST PDLIVGVVDS DTGNTRAETI IEDTRAHNEQ LTPTVQKTLL DANLSFSDID
AIVVGCGPGP FTGLRVGMVS GAAFGDALGI PVYGVCSLDA IAHNIGARNI PHALVATDAR
RREIYWATYR SGERDQGP DV IAPANIQISG AVDTISIPEH LVEKLPEELQ NVTMHS GKPA
PASLVAVADF SVEPQPLVPL YLRRPDAKEP KPKPKSAAIP EVDLS

> RXA00501 (1-507, translated) 169 residues
MSEQFELREL RREDAGRCAD LEQILFPGDN PWPRDVFAVE FSHPTNFYIG AFDEGYLVAY
AGLAMMGPAD DPEFEIHTIG VDPEFQRKGL GRVLMDQMMH AADSHDGPVF LEVRTDNVPA
ISM YEAFGFK TLAVRKNYYR PSGADAYTMQ RPRLSDRKDQ QTDTEGTPS

> RXA00502 (1-1032, translated) 344 residues
MIVLGISSC DETGVGVV KL DGE GNLEILA DSVASSMQEH ARFGGVVPEI ASRAHLESMV
PVMREALRQA GVDRPDAVAA TVGPGLAGAL LVGASAAKAY AAAGVVPFYA VNHLGGHVAV
ANLEGETLPH AVALLVSGGH TQLLEVD AVG LPMKELGSTL DDAAGEAYDK VSRLGLGYP
GGPIIDKLAR RGNPEAIAFP RGLMKKSDSR HDFSFSG LKT SVARYVEAAE RNGEVISVED
VCASFQEA VC DVLTFKAVRA CRDVGAKVLL LGGGVAANSR LRELAQERCD KADIELRVPR
FNLCTDNGVM IAALAAQRIH EGAQESPISV GTDPSLSVET PQVF

> RXA00566 (1-606, translated) 202 residues
MPTSRVLP S FIEQSAYGTK ETNPYAKLFE ERIIFLGTQV DDT SANDIMA QLLVLEGMDP
DRDITLYINS PGGSFTALMA IYDTMQYVRP DVQTVCLGQA ASAAAVLLAA GAPGKRAVLP
NSRVLIHQPA TQGTQGVSD LEIQAAEIER MRRLMETTLA EHTGKTAEQI RIDTDRDKIL
TAEAELEYGI VDQVFDYRKL KR

> RXA00567 (1-591, translated) 197 residues
MSDIRMAAQG GPGFGNDVFD RLMSERIIFL GSQVDDEIAN KLCAQILLLS AEDPTRDISL
YINSPGGSVT AGMAIYDTMK YSPCDIATYG MGLAASMGQF LLSGGTKGKR FALPHARIMM
HQPSAGVGGT AADIAIQAEQ FAATKREMAQ LIAEHTGQTF EQISKDS DRD RWFTAQEA KD
YGLVDHVITL AEGPISN

> RXA00569 (1-1026, translated) 342 residues
MRLKKQLLGS LLVVIVVLSI AVATTKQQKG FVTGQPTGAL NLS DILDSEE LGEYHLMSAA
IITGNTVDFS GLGAGPDDPF EIASITKIFT GELLRLQIER GEITESTAVG DVLGERVADS
LIRDITVEEL ANHTSGLPRL GNVGLRPFMA TFFDKNPYKD LSADRVISIS TTSKLN SRGE
FHYSNLGFAL LGQVLARNAG LTFDQLLDRD LLAPLNLNNT KLMTPE SLAQ DAPQGFSTPG
KQVEAWEMDG FLPAAGLRST ARDMAVFCQY LFTKGPAPFT WQSLES APEI VWHNGESFGY
SSVLFNTAT TTAIFVAADV ATSVFPIGHE LLMANSTRQE SK

> RXA00594 (1-933, translated) 311 residues
VSTNSLTKL VASTVAAGVL GALALVPFAS LSGVAVARTN DTMQTNLS DL TDGRGPGVTT
ITDSTDQPIA YIIAQRREFE V GGDQISTSMK DAIVSIEDRR FYEHDGV DLQ GFGRAILTNL
AAGGVEQGAS TINQQYVKNF LLLVEADDEA EQAAAVETSI PRKLREMKMA SDLEKTL SKD
EILTRYLNIV PFGNGAYGVE AAARTYFGTS AAELTIPQSA MLAGIVQSSS YLNPYTNHDA
VFERRNTVLG AMADAGAI SP DEASAFQQEP LGVLETPQGL SNGCIGAGDR GFFCDYALQY
LSEQGITQDM L

> RXA00612 (1-1185, translated) 395 residues
AAAAIQQGAG LDTMLDVPSR YEVKGMGSGG AANCPANTYC VENAGSYAPR MTLQDALAQS
PNTAFVEMIE QVGVDTVVDL SVKLGLRSYT DEGSFDGESS IADYMKDNNL GSYTLGPTAV
NPLELSNVAA TIASGGMWCE PNPIASVHDR EGNEVYIDRP ACERAIDAET ASALAVGMSK
DTVSGTAASA ASMYGWSLPT AAKTGTTESN QSSAFMGFNS NFAAAPYIYN DGTSTTPLCS
GPVRQCSSGN LFGGNEPAQT WFNMASNVPA ASQGTLPSSS DSFRLGTSGE LLNQVVGQSE
ASARRTLEAK GYKVTTRS VS GAGSARGTVV SATPQGAVLI DGGTVILDIS DGTSPAPAAT
NNDDSDGDT PAPSTNNRGT TIEDAINDAI NQFFR

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STPGMSSGEV HSSATQLQAR MALELGALEL AINKLGERDI ERFRLADIA NSFIDGDKFI
DAVKTEANA DFHEFLFRR NNEALLAAYQ NLQVVQEMNA TLPGAEWIDP AIATEHLALV
DAVSQNDLET ARTIIREHAE HGIDTMVKAL EK

> RXA00644 (1-828, translated) 276 residues
MSAPVGQIE GRPTHVTPER FFGQGVVVTG AAQGIGMAVA HRIAYEDGNL VLVDERSPLVH
EVAEELRKAG AGTVDSFIAD LETFEGATDA LEFAGQKLKN LDVVINNNGG TIWAKPYQY
SEEEIRKEIN RSLFPTLWMC RAALPILIGN GGGTIVNVSS IATGGINRVP YAAAKGGVNG
IVSAMAREAA PHNVRVATA PGGTAPERA VKRGPGEPE LEEKWYQQIV DQTIDSSLMK
RYGTLEEQVA PICFLASEEA SYITGSVMPV GGGDQG

> RXA00650 (1-636, translated) 212 residues
MIRVLLADDH EIVRLGLRAV LESAEIDIEV GEVSTAEGAV QAAQEGGIDV ILMDLRFPGP
VQGTQVSTGA DATAAIKRN DNPPKVLVVT NYDTDTDILG AIEAGALGYL LKDAPPSELL
AAVRSAAEGD STLSPMVANR LMTRVTRPKT SLTPRELEV KLVAGGSSNR DIGRILFLSE
ATVKSHLVHI YDKLGVRST SAVAAAREQG LL

> RXA00658 (1-318, translated) 106 residues
VRHDEHYPA ANLIAFDKGW STLIAPQLED PEAEFTAGF LLEYQDNLIT AGMEHQALAS
GFPVGRRFKS DIALRRCDV TTHIGHEHSA DGHWRIVFA GQATPQ

> RXA00659 (1-621, translated) 207 residues
VEASDGGTFD VENPATGETI ATLASATSED ALAALDAACA VQAEWARMPA RERSNILLRG
FELVAERAE FATLMTLEMG KPLAEARGEV TYGNEFLRWF SEEAVRLYGR YGTTPEGNLR
MLTALKPVGP CLLITPWNFP LAMATRKVAP AIAAGCVMVL KPARLTPLTS QYFAQTM LDA
GLPAGVLNVV SGASASAIN PIMEDDR

> RXA00663 (1-996, translated) 332 residues
LGDNDTRILA VAKNLQEEGH NVVLVSKDLP MLIKASASGI AAQEYRAALA RDRGYTGMTH
ANITDDQLSE LYDTGEVRI ELEKLPVNHG FTLKSNSGSA LGRMNSDKII ELVPGDQQVF
GISGRSAEQR VAIDLNDDA VGIVSIGGPA GTGKSALALC AGLEAVMERR IQRKIIVFRF
LFAVGGQELG YLPGDQEEKM GPWAQAVFDT LSSMVSQNI DEALSRLIE VLPLTHIRGR
SLHDAFVIVD EAQSLERNVL LTMLSRIGQN SRVVLTHDVA QRDNLRVGRY DGIVSVVEAL
KDHELFGHIT LQRSERSRIA ELVTQVLDAP SL

> RXA00675 (1-483, translated) 161 residues
CGATFDGWVG DSAWSFGIGE LDEDVQGLNL ATEWVLMEGM KAMVPGNRLT DVSHALEVAT
RKAESKFGVA LGIVDGYGGH GIGRHMHEEP YLANEGKAGK GPVIQEGSVL AIEPMLTLGT
EDSAVLEDDW TVVTLGDSWA SHWEHTVAAT KGGPRILTPR Y

> RXA00689 (1-627, translated) 209 residues
MRNTGQTCYI STRIIPSSR YAEVVQTVAS TIAAGRQGD YDEETVFGPV ASASQYSTVM
SYIDSAREEG ARVVAGGTRS ISLSEGLESG EFIQPTVFAD VTPDMRISRE EIFGPVISIL
KYDDTNGVSE AIALANNTKF GLGGLVFGAD EEQALEVARQ VDSGSGVINF FGSNHSAPFG
GRHESGMGVE YGIEGLSAYL TYKSIHRTI

> RXA00715 (1-795, translated) 265 residues
VVTVDWLSHN LDRDDVIVLC ATMEDDEIAR QAGIPGAFLA DLEGDFSDPH SELPHTAPPN
LVGLLESYGI STDSTVVVYD LHGLMVAPRV WWLLRVAGLS SIGVLDGGLP AWVDAGLPTE
PLSLPTSGGR ISAEPQDLL VGASGVERAI ARSSKAVIDA RNASRFAGVE EEPRLRKG
SIPGSVNIPF TDISDEHGFV RPAEELKELI FSRTNGAQL VFSCGSGVTA CVDAYAAVIA
GYDDVVVYEG SWAEWGNPAN QKPPIA

> RXA00744 (1-942, translated) 314 residues
MGNWAEITDE ISKIYQDNQY KIRQINDVDA VSDKRREALQ ALFEHTGRNV IVYYSAWLEN
GRRFSGQSTD FSVNDTDKNS FMTALHKLQ SKGLDLILHT PGGDVAATES LVDYIHALFG
QDFRVIVPQL AMSAGTMIAL SSKEIVMGKH SSLGPIDPQF NGLPAHGLLE EFEQAKKEVS
ENPQTAHIWQ VILNKYNPTM LGEAKKAIQW SNSMVQWLE KGMFLDEPK EEKATRAIKE
LADHSVTLAH NRHISVSKAL ELGLNIKELE SDPKLQDLVL TLHHLVIAA QRGPLIKFVV
NHDNRGTFLQ GHEN

> RXA00756 (1-996, translated) 332 residues
 VNIDVQALKA IESEKGIPVP DLLRTIASAL LHSYMDNRET VASANLKPRV DIDSTTGTVN
 VIVSEFDENG ELASEYDDTP SNFGRVSARA VRDAIVKSLR EAEASRAFDA YADYEGTVVS
 GIVQADARAA ERGIIIVQLG TEADNQDQVL LPAEQIPGEK LKHGDRVKCF VVGVGKGNTD
 IQINLSRTHP ELVRRLEFELE IPEVADGSVE IVAISREAGH RSKVAVQAKV KNLNAGKACI
 GPRGQRVSN I MRELGGKEID IIDYSEDPAT FVGNALAPSK VVNVEVTDLE AQATARVTPD
 YQLSLAIGKE GQNARLAARL TGWKIDIHSD ID

> RXA00772 (1-1506, translated) 502 residues
 MSDRIASEKL RSKLMSADEA AQFVNHGDKV GFSGFTGAGY PKALPTAIAN RAKEAHGAGN
 DYAILDFTGA STAPDCDQVL AEADAIRWRM PYASDPIMRN KINSGSMGYS DIHLSHSGQQ
 VEEGFFGQLN VAVIEITRIT EEGYIIPSSS VGNNVEWLNA AEKVILEVNS WQSEDLEGMH
 DIWSVPALPN RIAVPINKPG DRIGKTYIEF DTDKVVAVVE TNTADRNPFF KPVDDISKKI
 AGNFLDFLES EVAAGRLSYA GYIMQSGVGN VPNAV MAGLL ESKFENIQAY TEVIQDGMVD
 LIDAGKMTVA SATSFSLSP EYAEKMNEAK RYRESIILRP QQISNHPEVI RRVGLIATNG
 LIEADIYGNV NSTNVSGSRV MNGIGGSGDF TRNGYISSFI TPSEAKGGAI SAIVPFASHI
 DHTHDVMMV ISEYGYADLR GLAPRERVAK MIGLAHPDYR PLLEEYARA TSGDNKYMOT
 PHDLATAFDF HINLAKNGSM KA

> RXA00773 (1-1143, translated) 381 residues
 VTLKIGPFDL ASPVVLAPMA GVTNVAFTL CREQEMQRTG TISGLYVCEM VTARALVERN
 EKTMMHTTFA PDENPRSLQL YTVDPKYTYE AAKMIVDENL ADHIDMNFGE PVPKVTRRG
 GSAIPYKRRL FENIVSAVK ATEGTDIPVT VKFRVGDDE HHTHLDAGRI AVDAGAKSVA
 LHARTAAQRY SGEADWNEIA RLKEHLADTG IPVLGNGDIF AASDATRMME QTGCDGVVVG
 RGCLGRPWLF AELSAVRGE EIPEEPTFGE VTQIILRHAE LLMQHDGETK GLRDLRKHM
 WYLRGFPVGG EFRSNLAKVS TYVELEDLLA PWADSTAKAE DAEGARGRQG APAKVALPDG
 WLDDPEDATV PKGAEMENSG G

> RXA00778 (1-834, translated) 278 residues
 RNNFAAAQVA FGGSDSAMKD DQAAEAERARC NGNEAWHLPF VIGPVAVAYN LPGVDTLNLD
 TNIIAQIFKG EITKWNDEAI ASQNEGTDLP DQDISVLYRS EESGTSDFNQ KFLGASTDIW
 ETGQQFPTE VGSQAQSGNG VASEANSIEG AITYVEAGFA NQSGLGVA NI DFGSGPVELN
 AESVGVALGA LDFLTEGHNM VVDTDAMFAM NEAGAYPLIL TTYEIVCSAG YDETRDQVK
 DFLTVALDSQ DDQLEALGYI PVTGEHYDRL VAAVEAIQ

> RXA00787 (1-594, translated) 198 residues
 VSQPLSKRLS IRKALASAFI VALAFSLSPV AKAQANETPT MIVLDNSGSM TAQDAGGQTR
 IDAAKQASTQ LINDISDRTD VGLTYYGNT GETEADVEMG CQDVTILGGP SRGNADTLID
 TINSLQPRGF TPIGKALTDI AAELPEGGNI VLVSDGIANC TPPDVCEVAQ ELAQSGINLV
 INTIGLNVDP AAREELEC

> RXA00791 (1-828, translated) 276 residues
 LFLTDLPQES RFWKIPVEPG ETISVSANTV TDPTVLTMGQ GGIKLEAQLH TEEAPQYGLR
 GRCTRVSFDN FKPGLGVRGI QNASVASKEV GTNNCDTDAI YLEISRSGDY LNGQDIPTEI
 TIERFGKVDE STIGNVTEEH SSVDLTEAAA SEAHVPVTPGQ WFTSAADLDP AGEKVSSIIV
 PGETHFYALP VDYGQELRAA VETTFDQIDS SALGTHLYIQ AFSPNRAEIE LTNRDTSYAD
 DNGLKTFGFF TPVSAANLFE KSSQGISLRS PWQGGT

> RXA00793 (1-1176, translated) 392 residues
 MSENNTTLH WFLPTYGDSR GITAGGHGFG FHSGSRTADL DYLSQIALAA ERNGFESVLT
 PTGLWCEDAW ITTAALLSRT SKLKFLVAIR PGQVSPTIIA QQGAAFQKFS NNRLINVVV
 GGEDHEQRAF ADYSSKEERY HKADETLEII DHLWNSAEPL NFQGEFLSVE NAVLKEQPEV
 SPPIYFGGSS QLGIEIAAQH SDVYLTWGEP AEKVEEKLAR VRAEADKRRN ELDYGIRLHV
 IARPTEDAW SVAQNLLDQL DQEEVARIQE GLARSQSEGQ RRMTELHGQG AAFATAGADAR
 SLEIAPNLWA GVGLVRGGAG TALVGSYEQV AQAILRYRDI GLSHFIFSGY PHLEETYHVG
 EGVVPELLKL GVPVNNHEEQ RNDVVATPFI SR

> RXA00797 (1-360, translated) 120 residues
 MATAENTTQE NRKILFNAFD MNCVAHQSPG LWTHPKDKAR DYNLTLDYVWH LAKTLEKGLF
 DGLFIADVLG TYDVYGSSE AALSSGAQVP VNDPILLVSA MAYATKNLGF GITAGTAYEH

> RXA00820 (1-363, translated) 121 residues
VNTFADATDD QQWIHTDPER AKDGPFGGAI AHGFLTLSMI IPFWGELLDV TGVTTKVNYG
LDKVRFTSPV KVGSRIRMGA VVREISEVKG NGLHLVADGT IEIEGQERPA VVATFLTRFY
A

> RXA00833 (1-369, translated) 123 residues
MAKTHFQGNE TATSGELPQV GDNLAEFNLV NTELGEVSSK DFQGRKLVLN IFPSVDTGVC
ATSVRKFNEA AASLENTTVL CISKDLPFAL GRFCSAEGIE NVTPVSAFRS TFGEDNGIVL
EGS

> RXA00844 (1-834, translated) 278 residues
MSSASFTTKA LSVLAALTA SAPLVAASPA HALANARNVT GSSTTSDSIV RLHIGNTACT
GTMITPTWAI TARHCIPEGG IAGAAIGSST LSQFQQVSQA ILHPTADLAL VELPNQASSN
TVDLYGAVHQ PGENGQAAGW GGSAFGQNV AQQADVQIQ RRVNVPSQDR TAVLLEGTVS
NGRLVPGDSG GPLYINGQLA GVLSMSTDVE NDALDGTVGW YIPVAEHAEW IAYYTGHKHA
PIAGAPAEV DATANPTFIP APQPFTGSSI GGWALGSS

> RXA00857 (1-1290, translated) 430 residues
AVGIEVPNSD REMVRLGDVL NARATVENKD SMLIGLGKDI EGDVSVSVQ KMPHLLVAGS
TGSGKSAFVN SLLVSLTRA KPEEVRLLV DPKMVETPY EGIPHLITPI ITQPKKAAAA
LQWLVEEMEQ RYMDMKQTRV RHIKDFNRKI KSGEIEPTPG SKREYRAYPY IVCVDELAD
LMMTAPKEIE ESIVRITQKA RAAGIHLVLA TQRPVSVDVT GLIKTNVPSR LAFATSSSLTD
SRVLDQGGG EKLIGMGDAL FIPQGAGKPQ RIQAGAVTDE EIQAQVDMK AQQRPEYTDG
VTEDKASEAK KIDADIGNDL EDLLEAVELV VTSQMGSTSM LQRKLRIQFA KAGRLMDLME
TRGVVGPSEG SKAREVLVKP EELETILWML KGADPADAPK EETWDDEVAE EAEAAANTTV
VQADPSKGV

> RXA00860 (1-894, translated) 298 residues
MTARRAADTS EERTGSAFRA VGSGIGTLFG ATASGLGKMT RSIGELGRRR NEDVLDDFDD
FEEIATKPA TRKSRKAVE PEPEFDEDF EQSGNRTSAY VEEHADGIAL SLVGIAIVLG
AAVWLIGGP IGTFIADIVH LAIGAGAWIL PVGLIGWAVA LMLRYTPERQ AQGRVMLGIG
VIIVCMLALI HLFAGNPAEW EGRKTAGGAI GAWIGTPELE GFSVFLAVPI LLLLLFWGAL
KTTGISIREF IEFAGGFFGF AGFNREDEF DEEDDDLYGH VERELESRAS GRAPSRTP

> RXA00866 (1-945, translated) 315 residues
MNDSRNRGRK VTRKAGPPEA QGENHLDTPV FQAPDASSNQ SAVKAETAGN DNRDAAQGAQ
GSQDSQGSQN AQGSQNRSE NNNRNRNNN RRGGRGRRGS GNANEGANN SGNQNRQGGN
RGNRGGGRRN VVKSMQGADL TQRLPEPPKA PANGLRIYAL GGISEIGRNM TVFEYNRLL
IVDCGVLFPS SGEPGVLDLIL PDFGPIEDHL HRVDALVTH GHEDHIGAIP WLLKLNDIP
ILASRFTLAL IAAKCKEHRQ RPKLIEVNEQ SNEDRGPFNI RFWAVNHSIP DCLGLAIKTP
AGLVIHTGDI KLDQT

> RXA00877 (1-1065, translated) 355 residues
AAAVGTEGYV VPLELPTVQS EQAVLTESAS RAKLYEASQK RGASLNKDV LTVRLRAER
ATLLGYDTHA DYVIEEETAD DVA AVRALLY DLAPAASANA KAEYKLSAE AEEHGQKVGA
ADWSFWEAKV RARDYALDET ELRNYFPLNQ VLRDGVFFAA NRLYGITVEP RPDLRGYAEG
VDVWEVLDS GSGIGLILTD YYGRPSKRGG AWMSFVDQS ELLGTPVNV NVMGITKPTT
GEALLSLDEV TTIFHEFGHG LHGLLSKVRY PSFSGTSVPR DYVEFPSQIN ENWAFDPAVV
RNYARHVDTG DIIPDSLLEA VEACGISDRV VEHVSTCPHL LSTCPVSPCP QRMHP

> RXA00888 (1-1017, translated) 339 residues
VTAPRKTRTE VITTVLNLER TLAQTVLGIN DENLRVLNQ IDCDIHVRGT HVELTGPAHE
VSRASKIFEE LQAIARRGHV ISPETVKNVI SMINVETPQT VSEILTGDIL ARRGKVIRPK
TLGQKHVYDA IDTNTIVFGL GPAGSGKTYL AMAKAVQALQ SKQVSRIILT RPAVEAGEKL
GFLPGTLNEK IDPYLRPLHD ALRDMVEPEV IPKLMEAGIV EVAPLAYMRG RTLNDAFVIL
DEAQNTTPAQ MKMFLTRLGF GSKMVVTGDI TQVDLPGGQK SGLRLVRHIL RGVDVHFSE
LTSSDVVRHQ LVGHIVDAYE DYEEREAREL KRKRQETRP

> RXA00892 (1-894, translated) 298 residues
MSATSSVTVE CPAGTITGEP HYFRSIPYAK ARPFADAEL EPLRIDATGK HEGLYLTLAT
PEARFGADAP VIVYIHGGGY DGGTRFDART EPTFFREQGF VVVSIDYRVG LEGFARFHDD

> RXA00983 (1-1197, translated) 399 residues
VTAGETTTMN VTLTNPFDNA IFDRAVSLER PEGWQAEDVR VSIPSGESVT IPVQVTAPLV
ADNGELPVEV SILDGADRYT GRLNLTVOGG QEPAPTSVKV SIPNLKDTYV AGEKISINFA
VNNPFDVTN SVPSLGESEN WMPANLRGFD PEQGTNCRY KNLGANKSYD CTTTTYEVSD
LDVERGYVDI PTVWFTNSA GETVWSKNVD VPRVELNGTQ DAVTDAIVTV DPINPVHSNG
QSQTVEVQAN VTSEGDLPAK SKVAFYLDSS PIDTAAVDAE GHASISIDVD NIASEQPRT
FEVRARLVVP EDAPRSIARD ALARFTVLSE QVQQNSLVM NHPDVFSDBG TKTIVIAAKA
TAHDGSPAII GTLIAFRVNG IERDVVPTNA QGTAKLQLD

> RXA00984 (1-417, translated) 139 residues
QRGTPVLLGE TPWMKTKIVE LSDGTLMNNS RSSGADTYRK VSYSTDGGVT WTEPTLDTQL
PDPNNASLI RVFPTAPEGS AQAKVLLFSN TATTSGRTNG TVRMSDGGQ TWPVSKVFEP
GAIQYTSMT LPNGDIGML

> RXA01014 (1-1578, translated) 526 residues
DDLWLNESFA TWSAAISQAE ETEYNTAWVT FANVEKSWAY QQDQLPSTHP VFSDGYDIET
VDQNFQDITY AKGASVLKQL QAYVGREEFL AGVRRHFANH AWGNASFDL LGALEQSSGR
DLSDWANQWL KTTGINTLGA KFTTDNGKYT SFSVTQTGAA PGAGELRTHR IAVGLYKLVD
GSLNRYARVE LDCSGASTSV EEIVGLEQAD FVLVNDDDL YALLDLDDDS RNFVIDNIDK
FSDPMPRTLW WSAAWEMTRA GOMKARDFIA LVARGAAET EIAVLERILA QATSALKSYA
DPAWAEATGN DLLADAFLEG ARSAEPDSDT QLAFIQALAK ATLNDAAADY FRDILAGNVE
GLTVDPDLRW WALTALIARG DIEAVEDAIA AELSRDNSSA SFLASLRAGA AVNTEEVKAA
AYKHVPADVS GLSNLELRHK IEGLTFTGSF ELLQAYNEQY FEILDDVWAN FSGEMAQQIV
LGLFPSWNVS EEGLKRTDEF LDGEHVAGIK RIVSESLDRT ARALRN

> RXA01018 (1-864, translated) 288 residues
LTSTNLTRQE ASDRSRLLSV ENYDIALDLN NGDEFFSSST VVSFTVRKAG DTFIDLRAAS
VEEVRLDNVS IKDEALTLGK NGYDETFGIA LKGLTPGAHT LRVTASIPYS RTGEGLRHMV
DPADNEVYLY TQFETADAKR MFACFDQPD LKATYDLNIKT PKGWKIISNS EQQVSTQHTD
YDTHISRVYD PLSTYLIACV AGRYHEVCDD WKGTLLTHHAE TPADQPTLT VPLALYCRSS
LAKDLDAVRL FTETKQGFDD YHRNFGVAYP FGKYDQIFVP EFNAGAME

> RXA01022 (1-804, translated) 268 residues
HFDGSLYAT ADVIFPVLHG RFGEDGTVQG LFALSDIPVV GPGVLASAAG MDKEYTKKLM
AAEGLPVGRE VILDRTEL TAEKNLLGLP VFVKPARGGS SIGISRVTAW EDFNKAVGLA
RAHDEKVIVE SEIVGSEVEC GVLQYPDGRI VASVPALLSG TESGAGGFYD FDTKYLDNVV
TAEIPAPLDE KTTIELIQLA VESFQALACE GLARVDFFVT ANGPVLNEIN TMPGFTPISM
YPQMFTASGV AYEELLDVLV QQALHRDN

> RXA01055 (1-102, translated) 34 residues
MWGVVLGPAT GKYLAELMAT GNTNPIIKPF DPLR

> RXA01056 (1-900, translated) 300 residues
MSSSGKVIVV GAGIVGLATA WHLQEHGFV SVLDRDGVAA GSSWGNAGWL APAKTIPLSE
PGLWYGPKE LFNVPSPMHM PLRVDPKLWL FLAQFMAQAF QRKWDSTMAE LTEDIKVALE
AFDELSIGGV EGLTHEGPFV IGFEERQSA GFRKEIDGVS RHGQKVEMSR LENPQELAPM
LNEQIQVAYR LEGQRFIEPG PYVQSLADAV VKRGGVIRAG AEVHVAKGD RPAVILADGS
REEADKVVVA TGAWLPGLTR EYGVKTLVQA GRGYSFSVAT DIPAKHSVYL PHHRHGLHAV

> RXA01057 (1-1503, translated) 501 residues
LPEGQSGTIV LVSDGIATCT PPPVCEVAAE LADQGVLDVI NTVGFNVDES ARAELECIAQ
AGNGTYADAS DADSLVAELK RAATRTAVGY ESDLEQIDGN SSQTSLTPIP DDVELFKADL
PALDNKDGEV TQYWSIPVED YERVQVTSY VAPVTFGLGN DYLSIRNELL FGDEQDQTC
RSISNDQILD NYGARPLVAS VESDVIGDKC DTDELVLAIT RSQPFNWEEE LPVEIVVKRL
NHADTSGPLP GDQOREIPDL DVAAVQTWAP TTGGSWFTNA TELTPGEGVE AEIVPGENHV
YRLPMATGQQ LHGFVEVVEN TAPDDPGVTD KLGAVVYSPT RQDAGVDMWT DIAPREGTSE
YFAAPVALTY LNMFPAGEGF GTTSKATSTF TFEGDYLLV HYDDLSGSTI RDASNQQSFP
LRYRLAADAF GDAEPGPVFE KVSATSESS SPSTQPDEPA QNTATEESST GISPLIVGAI
VALILAFAAF ASWLVLKGRK K

> RXA01059 (1-609, translated) 203 residues
MTTVTQDLLA LDEDAQNLLF REARTANAFT DEPISEDEQIE AIFDLVKWAP TAMNSQPLRV
VIVRSEEAKA RLVPLMAEGN QAKVAAAPAV ALLAADIDFH EEMPKLFPPF PGARMDFEAD
EASRASSAEL NAGLQIGYAI IGIRAAGLAA GPMTGMDADA ISKEFFPDGR HRVLVAINMG
KPADNAWYDR LPRLEQDEVV ETL

> RXA01073 (1-831, translated) 277 residues
MTNTQTEIIN ELKVSPAIDV AKEVEFRVQF LVDYLRASHT KGFVLGISGG QDSTLAGRLT
QLAVERIRAE ENSTDYVFYA VRLPYAIQAD EDDAQVALEF IAPDKSVTVN VKDATDATEA
TVAAALELPE LTDFNRGNIK ARQRMVAQYA IAGQLGLLVI GTDHAAENVV GFFTTFKGDGA
ADLLPLAGLS KRQGAAILEH LGAPSSTWTK VPTADLEEDR PALPDEEALG VSYADIDNYL
ENKPDVSEKA QQRIEHLWKV GQHKRHLPAT PQENWWR

> RXA01082 (1-660, translated) 220 residues
LTQWGNNSNV EDYLTALFRA EEWDDEPTTG KLAEVIGVTA STVSATLKKL NPEGFVNYRP
YGDIELTPAG RDIAINVIRR RRIIETYLSE KLGLGAHELH GEADLLEHAV SPLVLEKMFQ
AVGYPTLDPH GDPIPTESGE MTINDGLMLL GLKAGASATV TRVRDGNPSV VRYLTGVGIT
VGTTVTVVEA LSDIATLRLQ IGEMFQDIPL AVANAVRVS

> RXA01090 (1-312, translated) 104 residues
MALPLPSKSA RALVTGASQG IGLAIAKDLA RYGHNLILVA RREDVLKEIA ADLEKKHGV
VEVRPVDLSD EPARKVLIDE IKTREINIII NSAGIGKLWA VQGP

> RXA01113 (1-237, translated) 79 residues
GDIWERPGLD HTQRRLLTIA ILTAVGNDGE LDMHIRAALR AGVDQETIGE VILHTAVYAG
VPNSNHGFKL LNNAVSDLQ

> RXA01117 (1-741, translated) 247 residues
MINKSISSTA EAVADIPDGA SIAVGGFGLV GIPTALILAL REQGAGDLTI ISNNLGTDGF
GLGLLLLDKK ISKSIGSYLG SNKEYARQYL EGELTVEFTP QGTLAERLRA GGAGIPAFYT
TAGVGTQVAE GGLPQRYNTD GTVAVVSQPK ETREFNGQLY VMEEGIRADY ALVHAHKADR
FGNLVFRKTA QNFNPDAAMS GKITIAQVEH FVDELHPDEI DLPGIYVNRV VHVGPQETGI
ENRTVSN

> RXA01120 (1-1278, translated) 426 residues
MARMQESADL LKCSFCGKSQ KQVKKLIAGG AVYICDECIE LCNEIIIEEL GQAQHDEQER
NELPKPSEIS AFLDTYVIGQ DPAKRILSVA VYNHYKRLRA SETIGRRRND EPETELVKS
ILMLGPTGSG KTFLAQTAK LLDVPPFAIAD ATSLTEAGYV GEDVENILLK LLQAADFV
RAQRGIIYID EVDKISRKSE NPSITRDVSG EGVQQALLKI LEGTVAAIPP QGGRKHPNQD
FIQLDTNIL FIVAGAFSGL EKVIADNRNG KGLGFGVEVS SKKEEANIVD IFKDVLPEDL
VKFGLIPEFI GRLPVVATVS NLDQKSLVKV LTPRNSLVK QYRRLFEMDD AVLTFD
EEIANQALER KTGARGLRAI MEEILVPIMY DLPDRKDVGE VIINGAVARG EAEPEMLEAV
AEEKTA

> RXA01224 (1-1023, translated) 341 residues
MSILDTLKTP VIVAPMAGGP STPALVNAAG EAGSLGFLAG GVMPLQLKQ ELSEVKG
VNLFRPQTD PKPSDIDELA GLLSSAFRQF GLDEPTVPTP DLSNGWEAKF EAVLA
FSCTFGIFSA EEFARIKATG IEAWVTVTNP EDALAAQKAG ANALVVQGPE AGGHR
EVEPDERDLK TLLAAVKQAG VYLPLIAAG LSTSADVAAI LEAGASAASC GSAFL
GTSSLNREIL DAAPALGLES VSSRAFSGRY ARGVETRFTR SNEGLPPLYP YLNPMIT
KVAGSAGNWD YAYCLVGVL ESIKGSAGK ILESITPSAL G

> RXA01126 (1-564, translated) 188 residues
SAESLPPTLF LKPPTAVTGP ESPIRIPSFA TKVEFEGELA VVIGKPCKNV KADDWKS
GFTIINDVSS RDLQFADGQW ARAKGIDTFG PIGPWIEDI NSIDLNLPI KARLTHD
QLKQDSNSNQ MIMKMGEIIE FITASMTLLP GDVIATGSPA GTEAMVDGDY IEIEIP
LGNPVVDA

> RXA01147 (1-1260, translated) 420 residues
MHVTDDFLSF IALSPSSYHA AAAVERLLH EGFIRQEDTD EWDARPGGHV TVRGGAVVAW

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> RXA01151 (1-858, translated) 286 residues
MSSPTDSSPS NSFSDFNREE QSRLSDEVQR LKRTNSDLGA RNAKLAEMLK SSRDKLSVLF
SQLEDMAQPP SVYGTFL ETA KDGSNAEIFA GGRRMRVAVS PMLCAADLMP GVQVRLGEGN
QVLEACDFEQ TGELATLMEM IGRDRALVSD RSGEERVVKL AGPLMDRTAK LPRPGDTLLV
DRKAGYAFE A IAKTEISR LA LEEAPDVSYQ DIGGLDDQIE LIQDAVELPF LHPEMYRAYN
LHPPKGVLLY GPPGCGKTLI AKAVANS LAN RIGETGTSYF INVKGP
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> RXA01181 (1-957, translated) 319 residues
SVLLARDLVN TPSSHLYPES YSVIASNEAS KHGLQTTILD EKQLADQGGF GILAVGNGSS
RKPRLLRIDW KPRKAKKSIA LVGKGITFDT GGISIKPGAS MENMISDMGG SASVLATIIA
AARLNLSINV FAFLPMAENM PSGDAFRPGD VITHFGGITS EILNTDAEGR LILADAIAYA
SEDKPDYIID AATLTGAQLV ALGLRTSGVM GTDEFDRDVA KTGREVGGEA WAMPLPEELD
EQVKSPVADL RNVNTSRFAG MSAAGRYLQE FVGADIEWAH VDIAGPAYNT AGEFGYTPKR
ATGQSPRTAF OVLLKDLSES
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> RXA01189 (1-609, translated) 203 residues
MISISIAADDE ALIASSLATL LSLEPDL DVR PTAGSGEELI ETWADPSNRT DVCVLDLQLG
GIDGIDTATR IMETTPDLAV LIVTSHARPR QLKRALAAGV LGFLPKTSTA DEFATAIRTV
HAGRRYIDPE LAAMTISAGE SPLTNREEEV LELAGQGLSA EEIAVAHAHLA PGTTRNYLSQ
AMTKVGAONR FEAFTRAREL GWL
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> RXA01214 (1-1491, translated) 497 residues
VLAATTVVGAQ VLVACSSDDV RYGGEPRTL PIPPADLGTR EGSSVHFALE AQTGESQILP
DVTTKTWGFN GTHLGPTLVV KKGDDVHVDV INNLDEMTTV HWHGMKLP AI ADGGPHSPIG
PGQTSPTWT VANDAATLWY HPHTHGLTGL HAYRGLAGMI IVEDEATDKL DLPREYGVDD
IPLVLMDHRE LEDGSLDEED LPDLGLLGDT PTANGITNAH FDATRRRVRF RVLNGSNMRF
YNLAFS DTRT FQVIASDSGL LDEPQDR TTL AIGPGERWEI VVELEPGEDV TLESVGFEDN
YGVPPDE FVP DFGMSDSFQL LTITGPSDDA AQAPALPGVL VKSTEPDVID ATERTFIMNT
FSINDLQMDM QRVDVVIDHD QPEVWIVTND NSDWP HNFHV HDARFKVLKF EGT DVELFND
GWKDTVGLP GATATLAVEF GHYPDPQWPY MYHCHMLYHE DQGM MGQFVI VEPGDEPAAV
LGSGTGSSID SAGATHAVE
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VNLFRPQTDA PKPSDIDELA GLLSSAFRQF GLDEPTVPTP DLSNGWEAKF EAVLAAKPAV
 FSCTFGIFSA EEFARIKATG IEAWVTVTNP EDALAAQKAG ANALVVQGPE AGGHRSTWSI
 EVEPDERDLK TLLAAVKQAG VYLPLIAAGG LSTSADVAI LEAGASAASC GSAFLLSDEA
 GTSSLNREIL DAAPALGLES VSSRAFSGRY ARGVETRETR SNEGLPPLYP YLNPMTSLR
 KVAGSAGNWD YAYCLVGVGL ESIKGSAGQ ILESLTPSAL G

> RXA01232 (1-687, translated) 229 residues
 MSRQXXTYTD KDISQFHWTN GLPPTDDESP EWIAARDNEW EGYTITLGDD PNGTEKTITL
 DDLRELPQTS YVAVXXXXQX LGQXXPXXPX GAGYRDVLCH DLVHTLDLHH RHPRLLTIE
 IIPKPLPPET RCKIIDFDLF APNSPSIEEF CSRLKISRRS FYNIRNRYQQ DASAALHPRS
 SAQITSRRTY DESITSIXVG HXAHRLKAQG XGIRSDLYPI XKASXTXGN

> RXA01236 (1-945, translated) 315 residues
 VLVATALIAG CSSAEDGTV DSGSSTEVT TTSQKEGFPVTV TFAPEAPVTI EDQPERIVSL
 SPAITETLFA VGAGDHVVAV DEYSNYPEDA PLVQGLSGFT PNVESILDYD PDLVVLMSAD
 DSILTGLDAA GVDTLVIPAA ENLDETYSQI EQVGRATGFE DQATTVVDQM KTAIDAAVAT
 VPEEVKEQGL TYFHELGS DLFTVSEQTYIG QIYDMFGLTS IADGGDAYSQ LSNEAIIAAN
 PDLIFLSDAK AENLTAEDIA ARPGWDTIDA VANGRIYILD DDIASRWGPR VSQLVVEEIAA
 QLNQLASSEA VPAAA

> RXA01250 (1-588, translated) 196 residues
 LDIGGIEAKT WGYVSDTGDA AIEATAGDVL QVDITNDLPE STSIHWHGIA LHNAADGVPG
 MTQDPIEPGE SFSYVFEVPH GGTIFYHSHT GLQLDRGLHA PLIIRDPQDA EDQDVWEVTIV
 LDDWVDGIQG TPDDELDKLT GMGSGDHNGR MCMGGHGQMM HGTPDRVLGG DVGDMYPHY
 LINGRIPRAH RTFEAR

> RXA01254 (1-1269, translated) 423 residues
 MKLSLPAPLR RLRSAAAIIS AKVATSASKA TGRGSGGMIG GLVASKVDPD IMSNLINNRP
 TVLVGTGNGK STTTRMLAA MRSTYTVATN EGGDNMDAGI ISALLAGRNA SHVVLEVDEL
 HVPAAIERLK PDALVLLNLS RDQLDRVGEI NKIERVLRDA VRSRPEMTVI ANCDLVVTS
 VAFDAENVIV VGAGTGWQGE SATCPRTESR ILHDGRHWSA EKTLLDGRTF ARPTPSWEVD
 GDTIHSPSGD LTLDLNLPGQ ANRGNAQA IAASTVFNV PVSSALPAVNSV NNVAGRYSTI
 TVGEHKVHLL LAKNPAGWQE ALSMVDRTAD GLVIVVNGQV ADGEDLSWLW DVRFEDFENL
 SVKASGERGT DLAVRLTYAE IDHELISNPV DAIAACPPGR IEVLANYTAF RDLKKALEKG
 TEQ

> RXA01257 (1-846, translated) 282 residues
 MHVAELSLPT GIIIAATPLG NIGDASPRLV HALANATVVA AEDTRRTASL AAALGVEIKG
 QLVS NFDHNE QARVGKLIEA ARTGTVLVVS DAGMPVSDP GFALIDAAHD ANIPVTCFPG
 PSAVPTALAL SGLHVGRFAF DGFAPRKQGA RTTWLES LKTEKRAVCFES PHRIAETLAH
 AAEVLGERRV AVCRELSKTY EQVKRGTLPE LAEWAQDGVR GEITVVEIGA GDIAADVDSL
 IDAAQQRVDS GERLKAVCAD LAKIHGVS KN ELYDAVISAR EN

> RXA01270 (1-1155, translated) 385 residues
 MTNERIFLSS PDVTQLEEDA LVRAIRSGWI APLGPEVDAF EQELAEYCGR KYVVALSSGT
 AALHLG LLLAL GVGEDLVLT SSMTFAATTN AIVYTGA EPI FVDCDESGNM DPLLEKAF A
 ELKSEGKEVK AVVPVDLLGK VVQHEKIKKI ADEYGAVVLS DAAESLG AIR NGKSAAAYGV
 AAASVFN GNK IMTTSGGGAL LTDDKD IADN VRYLATQARQ PVVHYEHTDV GYNRLSNIL
 AALGRAQLSR LDKMIERRRQ HRAFYRELFA GVSGVEIFGE PSGVDGGDTI DNFWLTSILI
 DKEVAGFSSE DLRSVLNQN IESRPLWKPM HLQPVFKKYR SFTNEEGQRL FDSGLSLPSG
 SVLDNASMNR VETTIGQFLE SQHAI

> RXA01277 (1-1689, translated) 563 residues
 MTDYTFLEDI DTPEALAWAE KWSGESVEKL KSPAKDALEA RLLAALD TDD RIAYVSR RGE
 KLYNFWRDAQ HPRGVWRTT LESYESDQPE WDV LIDVDAL AEDEGENWVW KGAVVRSPEF
 DRALVKFSRG GADATVIREF DLATAAFVDD SPFELKEAKS DVTWVDLDTL LVGTD TGEGS
 LTDSGYPARV LTWKRGTPLE QAELFFEGSR QDVATHAWRD STPGFERTFV SRSLDFYNSE
 TSLTEGGLV KLDVPTDCDV IVKKQWIFVS PR TDFAGIPA GGLGVLLLKE FHGGDRDFQP
 VFTPTTESTSL QGLATTKNFL VLTLLNNVST EIVTVPLNDP TTEHEHIDL PLEVHTAHV VAT
 SPLDGDEI WVQAASFTEAPT LLRAELPGAL EAVKKAPLQF ENAGQETRQH WATSADGT KI
 PYFITGA FEE EPQNTLVHAY GGFEVSLTPS HSPTRGIAWL EKGYYFVEAN LRGGGEFGPE

WHSQATKLNLR MKVWEDHRAV LADLVERGYA TPEQIAIRGG SNGGLLTSGA LTQYPEAFGA
AVVQVPLADM LRYHTWSAGT SWM

> RXA01288 (1-375, translated) 125 residues
MNGIGGSGDF TRNAFASTFI SPSAAKVDAL SAIVPFASHI DHTTEHDAMVV ITEYGYADLR
GLSPKQRPVK MIAIAHPDYR PLLEAYFDRA LNSADSYQHT LHDLRTAFDF HNRLNSQGT
KIEKA

> RXA01302 (1-366, translated) 122 residues
MTTSSSGKS SEKINPLFKL GSFLRKGTVG SEGQQIFLQG GRQADVIFYRN RWAFFDKVVR
THGVNCTGSC SWKVYVKDGV ITWESQAVDY PTTGADMPDN EPRGCPRGAS FSWYTYSTP
IR

> RXA01303 (1-1335, translated) 445 residues
VTQLNTKGVV LQGWDPEDPE HWDSKIAWRT LWITTFSMII GFCVWYLVSA IAPLLNRIGF
DLSAGQLYWL ASIPGLAGGL IRLIYMFLPP ILGTRKLVGI SSGFLFLIPMF GWFLAVQDSS
TPYWWLLTLA ALTGIGGGVF SGYMPSTGYF FPKAKSGTAL GIQAGIGNLG VSIIQFMGPW
VMGFGLLGIG FLTPQRTIEG TTVFVHNAAI VLPVWTILAA VLSFLFLKDV PVTANFRQOI
DIFGNKNTWI LSIIYLMTFG AFAGFAAQFG LIINNNEFGIA SPMAETYPAE MLHAGATFAF
LGPLIGALVR AAWGPLCDRF GGAIWTFVGG IGMTIATAAA AIFLSRAETP DDFWPFWSM
LALFFFTGLG NAGTFKQMPM ILPKRQAGGV IGWTGAIGAF GPFIVGVLLS FTPTVAFFWG
CVVFFIIATA LTWIIYARPEN APFPG

> RXA01307 (1-681, translated) 227 residues
VLAWRDIVET PEKRKAYVSQ RGKGGILIRVQ YEEAMEIAAA AHVYTIRQYG PDRIHGFTVI
PAMSQVSYGA GTRFLQMIGG VALSFYDWYA DLPPASPQTF GDQTDVPESG DWYNSSYLMM
WGSNIPVTRT PDSHFMEVAR YGKTKVVVVS PDFADSTKFA DEWARIHPGT DGALAFAMGH
VILKEFHVDK KTPYFMDYMR KYTDSFPLVE LDEHGDGTYT PGKFLTA

> RXA01308 (1-1206, translated) 402 residues
AATPNATHRL LVLQKDGSVV DPGGTVADRW GEEGMGKWNL RLDGVDPVMT IADVQTDDET
AEVLFPFDL PATATQEGPI GAGTISRGPV TITLNGRKYT TVFDVLLAHY GVNREELNLP
GEWPKDFQDP VMGTPAWQEE LTGVPAQAI RLGREFAQNA DDSKGRSQII MGAGVNHYFH
ADSIYRTFLA LTSMTGQGV NGGGWAHYVG QEKLRPMNGW AQYAFATDWQ RPPRQMITTG
FYLLTDDQWR YDNTRANRLA SPLANRGTVG DKMTADTLVE SMKRGWMPST PQFNRNPLIL
SQEAEEKGVS VSDHIVQQLT DGDLDQFACED PDAPENWPRI LLNWRTNLMG SSAKGTEFFL
RHMLGVDSDA SAEKNAPEDR PSSIVWRDEA SEGKLDLMLT TD

> RXA01309 (1-669, translated) 223 residues
IADHEGTHIN WDMVKERSAE VITSPEWTGS KKDGRRYTAF SINIEYDKPW HTLSGRMHYY
LDHDFIDYG EQLPIFRPPL DKIHINGEVG PGQSVTGTG EPEVTVRYLT THNKWSIHSQ
YYDNLHVLSI SRGGQVIWMS NKDAEKLGLA DNDWIEAYNR NGVVSARAIV SHRIPEGTVF
MNHAQEPTAG TPLNEKSGRR GGTHNSLTRI MIKTVHVAGG YGT

> RXA01324 (1-300, translated) 100 residues
MSNSECHTHG YIEEKQRYLA RLKRIEQTR GIHRMIDEEQ YCIDILTQIS AVNSALKNVA
FGLDDHLAH CVKEAADLGG DELDAKLKEV SDAIARFSKA

> RXA01340 (1-990, translated) 330 residues
VGPVLAITPW NFPIAMATRK IAPALAAGCP VLVKPAETP LTMVKVGEII ASVFDFTNIP
QGLVSIITTT RDAELSAELM ADPRLAKVTF TGSTNVGRIL VRQSADRLLR TSMELGGNAA
FVIDEAAADLD EAVSGAIAAK LRNAGQVCIA ANRFLVHESR AAEFTSKLAT AMQNTPIGPV
ISARQRDRIA ALVDEAITDG ARLIIGGEVP DSGGFFYPAT ILADVPAQSR IVHEEIFGPV
ATIATFTDLA EGVAQANSTE FGLAAYGFSN NVKATQYMAE HLEAGMVGIN RGAISDPAAP
FGGIGQSGFG REGGTGIEE YLSVRYLALP

> RXA01354 (1-936, translated) 312 residues
MKISRRFLG TLLGATTLAV TACAQSSQNG NSSASSSSSS SAESSTSSSS SDEQRIVALN
TGQLDNLLLL GITPVGVAAA KNSDLIPQFL KDRFGADM DLDSIADCGLRQ SPDIEAIANL
NPTLICANSR ADEEVNKLK TIAPVVTGEG GGENWKQDLL TIAEAAGQKE KAETLLKSYE
DSAAEIAANQ PANPPTVSFL RTKDQEFQMY GAQSMAGTVA ADCGYARPEN QQFTDTAGQD

LSAELIAQAD ADWLFYGIKE GNINPEDTPL WTSKAVQSN QAIPVDGDSW YLNASLVS AE
IILQGLKDNV TV

> RXA01358 (1-1521, translated) 507 residues

MALGRTISTA QLGVQAKIVR VEANVGPGLP GTYIVGLADT AISESRDRIK TAVQNSGLMW
PKTKVIINLS PASMRKQGSQ CDLAMTVAVL VAHGSNPKAK FHAQNTLFLG EVALDGTLLP
VTGVLALLA AKEEGIGKIV IPEGNAQEAG LVEDPSVFLA HSIDQVLRWL DGEEALPQPG
LFNDENSLKL PDMRDVVGQP EARFAAEVAA AGGHHMLMIG PPGSGKSMIA ERIPSLPEL
SPQQMIEATA VHSVVGRTFS GPVSRAPFIS PHHNVSKAAL LGGGSGSPLP GAISLAHHGV
LFLDEVSEIP ASILDSL RTP LEYGSIRIIR SRHDVTFPAQ FQLILANPC RCGAEQPPQC
VCSGSARATY LNNLSGPLRD RLDMVVATHS KGAVLRSDDV EASAPIADRV AQARERAAFR
WRRSGLGNLV NAHVDPHFLR RNFAATEDAM VYLGAFLAEG TISQRGCDRA IKLGWTLCDL
DGEQQPNLDH IARAMELRGT TYSEVAA

> RXA01385 (1-1881, translated) 627 residues

MQFHYEGYAT GDPMEMRAEG SGINRPDDL EVMVDLIVGA GPAGTIAAAQ LSRFPNVTTT
LVERSDRRLE LANADGVHSR TIETFQAFGF AHEILAEAE ITDMAFWKPD PQNPRIIRD
NSTRELPHI SEFPMALLTQ TRIIDHFNRF MKNSPTRMKP DYGFEVDFE VEEDAEYPVI
VTLRRTSGEQ TGELVTVRTK YLVGADGARS QVRKSLGYRL QGQANHAWG VMDIHANEF
PDVRKKCTIK SDSGRTILLI PREGGFLFRL YVDLGEVPDD GSKAVRDTPL QDVIDTANQI
MAPFTLDVKN VVWNSIYEVG HRVADHFDDR VSEKTSSEHP RIFIAGDACH THSAKAGQGM
NVSMQDGFNL GWKLGHVASG NSPRELLQTY AEEREDIAYK LIEYDKNWST LMAKPSSEMG
SAQDLEDFYR ANSEFNAGYM THYPSSITM DGSNQDLAKG YPIGRRFKSA MVGRVCDLTE
THLGHQATAD GRMRAVVFAG SDALNGEGSE LDRWAEWAEA NLDPTLVDAK VIYQSPYTEL
DTRQVPSVFK PAVGIFELTN VENSFGITTD SDIFDSREIS RDGVVVVVRP DQYVSGIFPL
TDTQGLGEFL TGYFPMKGA HQLINAN

> RXA01412 (1-204, translated) 68 residues

MALKNYTVEG MTCACHVASV TEEVSEVNGV SAVDVTLESG NVAVS GEGFS DAEIQAAVEE
AGYKIVAS

> RXA01426 (1-627, translated) 209 residues

MTTPPAAAEI FGDNLEKAIA YHESLATDGS VRGFIGPREV PRLWDRHILN CGVIGEAMDE
GISVADIGSG AGLPGIPLAI ARPDNLITLI EPLLKRSVYL NEVKEALNLD NVTVVRGRAE
EKVVRKQVGL VDIVTSRAVA PLGKLATWSL PLVKIGGRMV AMKGSSVEEE IERDAKEIRK
AGGTDIKVYT VGEALLSEPT TLISIRREK

> RXA01427 (1-921, translated) 307 residues

MEDTTWEDTP IAAAARRAQ VMTPNLSLTLP KPKEPRLITI ANQKGGVGKT TSTVNLAASL
AIHGLKVLV DLDPOGNAST ALGVEHRSGT LSSYELLIGE CTADEAMQPS TANENLFCIP
ATLDLAGAEI ELVSLVRREY RLADALGREF IDKHDFDYMI IDCPSLGLL TINAMTAVNE
VLPIQCEYY ALEGVGQLLN NITMLRQHLN RQLHISAILL TMYDARTNLA EQVATEVNDH
FGDVVLGNKI PRSVKVSEAP GYGQTVIEYD PGSRGAMAYL DAAKELATRG DYLPSESGP
IGLKPAK

> RXA01428 (1-1137, translated) 379 residues

MAQNKGS DKS QTEKRKGGLG RGLAALIPSG PSNSPGLGGG AADIILGGTV GARTAAAPKR
ESTPAAPAPE APAQAAPQHT EATKPEVVPE PAAPAPTQSA QQEAPQAQPA QQSEFGASYL
EIPQIRPN PQQPRHEFDP QALDELVHSI SEFGLMQPIV VRRSEDGYEL IMGERRWRAS
KRAGLEVIPA IVRETEDSAM LRDALLENH RVQLNPLEEA AAYQQLLEEF GVTQAEALADK
LGRSRPVITN MIRLLGLPVN VQTKVAAGVL SAGHARALLG LKAGEDAQDT LATRIIAEGL
SVRATEELVL LHNRGDQDEE KKPKEKAATP EVFTRAAESL ADNLDTKVS MMGKKKGKLV
VEFGDKDDFE RIMSLIQGQ

> RXA01430 (1-1188, translated) 396 residues

VSKVLRVGDR SPRVAEVRTT LARLGVIEGY SREMSAKTES QKFHEEETLF DEELSLSIKS
FQQARGVPS GLIDDPTLRA IREASYTLGT RVLAYQPGNQ LVGDDVVEIQ SHLQELGFYA
DRVDGHFEGEL THKAVMNYQL NYGMQVDKIG GPDTIRALS LGLRIKGSQA QAIRERERMR
NAGPRDLAKR VVIDPALGGS NKGQIVKGYP GEISEEEILW DLATRLEGRM IATGMETILS
RPHMDDPSSR DRASIANAFG ADLMLSLHCD SYPNEKANGV ASFYFGSENG TNSLTGETLS
AYIQKEIVAR TPLNCGSHA RTWDLRLRTR MPMVEVVTGY LTNPDDLAVL TDPQMRDHIA

EAIIVAVKRL YLLDEEAQPK TGTFKFSELL QSEQAG

> RXA01435 (1-870, translated) 290 residues
 PLDLGFTTEA RQWLETLEGR IGDDWRHKWF SGITYLLDD YATAQVFFNH VLTILPGEAA
 PKLALAAVDE LILQQIGAES TAYLTPDIVS ATATLSKDFE DLDASAFESL SDTWSHISSD
 PHVVRFHSLR LYALVWATNP TTVSSAFGLA RQLMAENQIE LAVQALDKLP QSSTHYRMAT
 LTTILLLVSS NLSESRIIRA ARRLTEIPTN EPRFNQIKIA IMSAGLSWLR ERKLKASASA
 NPLFEYPFSQ KGLRTGISEA LRIQARSAPF PHHRYALVDM ANAVRPLSWF

> RXA01437 (1-1383, translated) 461 residues
 MSDTPTSALI TTVNRSFDGF DLEEVAADLG VRLTYLPDEE LEVSKVLAAD LLAEGPALII
 GVGNTFFDAQ VAAALGVPL LLVDKQGHV ALARTQVNNNA GAVVAAAFATA EQEPMPPDKLR
 KAVRNHNSLE PVMSAELFEN WLLKRARAHEH SHIVLPEGDD DRILMAAHQL LDQDICDITI
 LGDPVKIKER ATELGLHLNT AYLVNPLTDP RLEEFQAEQFA ELRKSXSVTI DEAREIMKDI
 SYFGTMMVHN GDADGMVSGA ANTTAHTIKP SFQIIKTVP EASVSSIFLM VLRGRLWAFG
 DCAVNPNTA EQLGEIAVVS AKTAAQFGID PRVAILSYST GNSGGGSDVD RAIDALAEAR
 RLNPELCVDG PLQFDDAVDP GVARKKMPDS DVAGQANVFI FPDLEAGNIG YKTAQRTGHA
 LAVGPILQGL NKPVNDSLRS ATVPDIVNTV AITAIQAGGR S

> RXA01458 (1-1050, translated) 350 residues
 VNRRIKTLTW GAIPVLVLLAS LVSIDHIPGT NINLSVPYAA EGPGPTINTL GQVDGEDVVS
 ISSADLDETE GNLMNTTVSV RSGMTLSQVI SRWLFTDDTI VPTEQVFPFG QSTEEVEESN
 RTAFISSESS ATIAAMNYLN IPVEVEVAEV LTDSAATGIF EPGDKLLSID GTAISTPGDA
 QTIIVRSKAPG DEITISYERN DAESQATITL REHPDDSSVA LLGISMLSVP SSAIEVDYNL
 EDIGGPSAGM MFLAVVDKL SPGALNGGKF VAGTGTIAED GSVGPIGGIA HKVRAAEDAG
 AEVFLSPADN CAEAMSAKPQ DMTILKVDLSL SQAIDQMAAY NEGSDFQTCG

> RXA01461 (1-459, translated) 153 residues
 MIDTGKNGEF RYEQSNIIDQ NEAEFGITPS QTVGPYVHIG LTLEGAEHLV EPGSEGAVSF
 TVSATDGNND PIADAMFELW QADPEGIHNS DLDPNRTAPA TADGFRGLGR AMANAQGEAT
 FTTLVPGAF A DEAPHFKVGV FARGMLERLY TRA

> RXA01462 (1-690, translated) 230 residues
 MDIPHFAPTG GEYSPLHFPE YRTTIKRNP NDLIMVPSRL GESTGPVFGD RDLGDIDNDM
 TKVNGGEAIG QRIFVHGRVL GFDGKVPVHT LVEAWQANAA GRYRHKNDWS PAPLDPHFNG
 VARTLTDKDG QYHFWTVMPG NYPWGNHHNA WRPAHIHFS YGRQFTERLV TQMYFPNDPL
 FFQDPIYNAV PKGARERMIA TFDYDETREN FALGYKFDIV LRGRNATPFE

> RXA01464 (1-291, translated) 97 residues
 MLFLARMVV FPDSMDADV ADFQAKEKAY SGDLQSRGIM KAIWRVVG EY ANYSIFDVDD
 HDELHAILSG FPMFKYMNK ITPLAKHPNA LEYYLKG

> RXA01465 (1-1161, translated) 387 residues
 VAGLFPLNQK AIEKLSDLTI QKVESRILDV PLIRPHGFAT TTSTEQHILL VSVHLENGVI
 GYGEGVVP GG PWWGGESVET MKALVDGYLA PVLIGRAVSE LAGIMADLER VVARARYAKA
 AVDVAMHDAW ARSLNVPVRD LLGGTVRDKV DVTWALGVLP LDVAVAEIEE RIEEFGNRSF
 KLKMGAGDPA EDTRRVAELA REVGDRVSLR IDINARWDRR TALHYLPILA EAGVELFEQP
 TPADDLET LR EITRRTNVSV MADES VWT PA EALAVVKAQA ADVIALKTTK HGGLLESKKI
 AAIAEAGGLA CHGATSLEGP IGTAASLQFA ASTKAISYGT ELFGPQLLKD TYIVQEF EYK
 DGQVAIPQGP GLGVDVMDK VNFYTRK

> RXA01466 (1-822, translated) 274 residues
 MTPNGRRQLL LERGAAFSKN RTPGLKHVDR HTIVDSGLS IHTYMVGHAE NATATVVFIH
 GFTLAAEVYY MQVDYLQTFY PNIKSVLIDA RGHGATGQIR PELCTIEGTA NDVLAAIHEH
 APTGPLILVG HSLGGLTALN LVKRADHSLR KRIVGMVLVA TSIESLSTQG LPQVLASPLA
 DNIKNAVEAA PND AQKFRQY ATTFLAPTLA TAVFQRDTND EVIDFHAAMI HETPLDTFVG
 FFDDLQEHDE LDAAPTLEGL KGYVLAGELD DVTP

> RXA01477 (1-1548, translated) 516 residues
 MPQLSRRQFL QTTAVTAGLA TFAGT PARAE ERQFQHGVAS GDPTATSAIL WTRLTPIPDA
 TPGSGLGPDS PVTWEVSPTP DFASITRSGT VITSAASDHT VHAHATGLSP STRYFYRFIS

STGEVSPVGR TQTTSLVDAP LPHLRFALAS CANWEAGFFA AYGDIARRAD AGELEMLIFL
 GDYIYEYATG MFAGKDGVR PHQPLHETIT LEHYRTRYGH YRSDNHLQAA HAALPWIVMW
 DDHESANNSN REGAQNHSAD EGSWVDRQNA ARQVFLEWMP IRQEDTLYRS FTFGDLATLS
 LLDLRSFRDP APSQQQWLEG QRADTMMSQ QFEWLKSNVE HTTTTWNIIG SSVMFAPMAI
 TGQPLFQIPE PIPANLDQWD GYSRERDRLL AVLADFATPT LFLSGDIHSE WANAI RFNGR
 EIGVEAVCSS ITSANVNDFA KLPEDNPVSL QAEQVIRANS SHVRHVDLDA HGYATVNLTO
 DGAHMOVHRV ADLSLPDSEV APAIALEWKP GVGFTT

> RXA01498 (1-1563, translated) 521 residues

MIKRLPLGPL PKELHQTLDD LTANAQDAAK VEVIAPFTGE TLGFGFDGDE QDVEHAFALS
 RAAQKKWVHT TAVERKKIFL KVHDLVLKNR ELLMDIVQLE TGKNRASAAD EVLDVAITTR
 FYANNAGKFL NDKKRPGALP IITKNTQQYV PKGVVGQITP WNYPLTLGVS DAVPALLAGN
 AVVAKPDLAT PFSCCLIMVHL LIEAGLPRDL MQVVTGPGDI VGGAIQAQCD FLMFTGSTAT
 GRILGRMTGE RLVGFSAELG GKNPLIVAKD ADLDKVEAEL PQACFSNSGQ LCVSTERIYV
 EEDVYEEVIA RFSKAAKAMS IGAGFEWKYE MGSLINHAQL DRVSTFVDQA KAAGATVLCG
 GKSRPDIGPF FYEPTVLADV PEGTPLLTEE VFGPVVFIEK VATLEEAVDK ANGTPYGLNA
 SVFGSSETGN LVAGQLEAGG IGINDGYAAT WASVSTPLGG MKQSGLGHRH GAEGITKYAE
 IRNIAEQRWM SMRGPAPKMPR KVSSTVATA LKLKIFKVL P

> RXA01499 (1-3822, translated) 1274 residues

LWDVLESVAS TYPEAAAIDD GQVLTAEELM EEVTALADSI HAQGIRRGDR IGIRMPGSTR
 DLYIAILATL AAGAAYVPVD ADDPEERAEM VFGEANINAL FDATEGFHMLR PTAGGDTRRP
 RLDDTAWIIF TSGSTGPKVG VAVSHRSAAA FVDAAEQMFL VDHPSGPLGP EDRVLGAGLSV
 AFDASCEEMW LAWGHGACLV PAPRSLVRSG MDLGPWLIRR DISVSVTVPT LAGLWPAEAL
 SQVRLIVGG EACSQELVER LSTPDREVWN TYGPTTEATV ACGTQLYAGQ PVGIGLPLAG
 WDLVVDDAG EPVGIGEVGE LVIGGVGLAR YLDPEKDREK YAPLKSVMGT RAYRSGDHVR
 LEEDGLYFVG RVDDQVKIGG RRIELGEVDA NVAALSNVRS SAVVVQTTGA DQKVLVAVS
 LEDAAAGFDH NVATARLTET MPAALVPRIH VMDDLPTTS GKVDKSLPW PLPGTVVEAN
 DLSATEAWIA QEWVDILGTS VSSKDADFFS LGGTSLAAAT LVGRVRKVP TAAVRDLYDH
 PRLEKFAERV EAIAADTGIS LEAPNQVEER VVKPVSFGR VMQTLIQIPI MTLQAAQWIA
 WLLGNNIMA ALDFDVAHV SWWLIVGMIL VFATPIGRPL IGGWGARIIT RGITPGSYPR
 GGSTHLRIWS AERLADASGS RNISGATWVN YFARSLGVKM GKGVLDLHSL PITGLLTGN
 NVSIEQEVLD RGYWLDGDIL RVGTIEVHDN ARIGARSTLL PGTVVGTGAH LLPGSTVTGD
 KTIKPGSRWA GSPAQKVGRA KHRFPTSHPP RRSRWVPVFG ATSIIVLSLLP LQALAIGAAI
 TLWLATISPL PLIWGVLFVA TVGALAAFFA YTVTIWVLR LIQIGIKGGT APVRSRLGWQ
 VWAVQRLMDD ARTYLFPLYA SQLTPLWFRS LGAKIGKDVE ISTAVMVPKL ADIREGAFLA
 DDTLIGGYEL GNGWLLSGET RVGKRSEIGN SGIAGPERKL AKNSLVAVLS STPKKAKANS
 NWWGSPPERM RRVTVVEVDEG EAKTYSPPFG VKFARGAVET ARLLAPITSG VLAALSLLL
 QYLLTEFNMW ITWLLGGLIL MTGVGLAMGI TVVMKWVCVG KHKPSEHPLF SRFVWLNELQ
 DAFVESVAGP WFLVPLNLTG ALNAGMSALG AHIGRGAWIE SYWLPETDLC YIGKGATVGP
 GVVQTHLFQ DRVMSLDTVT VADGATLADH SVALPASLID ASATIGPGSL VMRGDKVPAH
 TRWQGNPIEP WSNS

> RXA01502 (1-1233, translated) 411 residues

MSTPQSIVII GGGLAGAKTA EALRVNGYEG SITLIAAEDY LPYERPPLSK EYMAGKVGFD
 KAIVHPAEWY KENNVTLRQG VRATAIDAGS RQVTVDDGGN TETINYDKLV LATGSAVRKL
 PIPGADASN HYLRTVEDSD AIKATFGEKG KLVLIGGGWI GLEVASAARG AGTDVTVLEG
 GKPLLLKVLG ETVAQVFADL HVANGVDLRT EVKITDIVTE DGRAVGVRLD DGEVVPADAV
 VIGIGVTPVI DLAETAGLEI DNGVLVDAAL RTSDPDYAV GDIANHDHPV LGHRIRVEHW
 ATALNQPAAA VKSLLGKDAE FTNLPYFFTD QFDLGCEYVG HATGSQEKVF IRGNLETREF
 VAFWVDTENR ILAAMNVNVW DVPDQIKPLI ASGKSVDTEK LVDPEVPYSE L

> RXA01509 (1-474, translated) 158 residues

MSIEVTVEIP KGSRNKYEID HETGKVYLDL YLFTPMAYPL DYGYIDHTLG EDGDPLDALV
 ILPESVFPV VVKSRIGVF KMTDEAGGDD KLLSVLDDPR YDHIQDISDV SDFLKDEIEH
 FFFVHYKDLEK GKHVDGSGWG DKAEAEKIHA EAIDRYKA

> RXA01510 (1-1281, translated) 427 residues

MKNAWWVGSS VGVLIAGAV IGGGVWNHNS GFGLDHPEPM SVEMPEQLFS SAIDPDALVA
 PDFATLEKDL TSQAADSRLG TFGVARDVE SGEVVWEQNG GTAVRPASAT KILTAAVALY
 ELGREDTITT KVVEGEQPGT VVIKAGGDVT LSEEMLDDLA TQLEGQDIGT VLIDTSIWP

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> RXA01511 (1-942, translated) 314 residues
VASLIGNLEL PRVSPNFLEL RKA VRPYLKE HVHIGLSGGP DSLALVA AVL AEKSQVTAIC
IDHNLQTGSA EVTHNAAAMA RHMGAQAIVK SIEVAPGEGM EAAAREARYA AFAQLTDEIW
VAHTMDDQAE TYLLGGLRGN PAGMKDASRR PELSIIRPLL GARRAHTHGA CVELGLKPWH
DPQNFDDAFR RVAIRNQVIP LLAQVHG GDP VPGLALAARR AVEDA EVVEG DVEKRRLEWQ
DGFVPVTLAG PTGLRRRMLA DFLRGE G IAV TSRKLD AIDR LLTDWRGQGG VAVGKSDNGR
LEVVRQSGKL K I T D
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> RXA01571 (1-600, translated) 200 residues
VSISVKALQK SGPEAPFEVK IIERRDPRAD DVVIDIKAAG ICHSDIHTIR NEWGEAHFPL
TVGHEIAGVV SAVGSDVTKW KVGDRVGVC LVNSCGECEQ CVAGFENNCL RGNVGTYSNS
DVDGTITQGG YAEKVVVNER FLCISIPEELN FDVAAPLLCA GITTYSPIAR WNVKEGDKVA
VMGLGGTRTH GCPDRCSOGC
```

> RXA01603 (1-621, translated) 207 residues

VSDAGKKDSS	KVEIGLTGRP	LRELPEPSPL	EKHGPATIIA	MANQKGGVGK	TTSTINLGAC
LAEAGRKVL	VDLDPQGALT	AGLGIHYDDV	DITVYDLMVD	NNSTIDQAIH	HTGLPDLDV
PANIDLSAAE	IQLVNEVGRE	QTLARALRPV	MKDYDFIILD	CQPSLGLLTV	NALACAHGVI
IPMECEYFSL	RGLALLTDTV	EKVADRL			

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> RXA01608 (1-1839, translated) 613 residues
MALCMTVAFA GGSLTACTPR PDTADPIAEE FLQAWASQDF DTIADITDQA DLATEMLSTS
FDGLQADSVE LTLDSDVDSRD TIATANFSVW WKLPDRDREVS YDSSMTLTKM RNEWTVRWEP
SLVHPKLGAN QHLELRARIEA QRANVISSDG APVLAPGSIY RVLVDPSAGD ADVVVKRVAD
YLNEAHATDE NVNTLDVEDI MSNLGDSSTYS LTTVDANLGA RMEODLAGIP GLTFNEEASD
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VATDPGFAPD IVSRVARIVE DELEGSNGWR ASIVTSNGAV IDDIAYDAPE LAPSVRISLD
HNVQRAAEEA VDLRAEMKAM MVVMRPSTGE ILAVAQTDEA DKDGDVALMG QYPPGSTFKI
ITAAAGLAHE GLTPDSIVPC PGTMNIYGRI VTNYNSFSLG NTSLDDAFAN SCNTTFADIF
HHLEPGQLKN VAKQFGLGID YQIPGLDGMT GSVPEGDIVL DRTESGYGQG LDLASPFQMA
LVASTAATGS VPTPTLISGH ETVASEEVLA LDPEVLANVQ RMMKSVVNDG TARGMRQTGG
QIYAKTGEAE INEGSHAWFT GYREDDIAFA TLVVLGGGSE AAAAVTDQFF VKLDELRAAG
EVAVSEAEQ PVG

> RXA01609 (1-873, translated) 291 residues
MSKMRAPLVP GIPTPIREVP AHIERPEYVW KDEVQEAIGE PFVQAPEVIE KMRETSRIAA
NSLKIAGEAV KPGVTTDELD RIVHEYTCDM GAYPSDLGYR GFTKSSCISL NEIVCHGIPD
STVIEEGDIV NIDVTAFAKHG VHGDNCATFL AGDVSEEHLR LVERTEEAMM RSIRAAKPGR
EINVIGRVIE SYAKRFGYNV VRDFTGHGIG PTFHNGLVVL HYDNTQYRDL LVPGMTLTIE
PMINLGS LDY EIWEDDWTVO NVDRKFSAQF EHTIVITEDG NEILTLPPDS V

> RXA01620 (1-948, translated) 316 residues
MQSIRTTFRS LSRSAVIVGT VLALGIAGCS TASDEATSTS DDVAVGGRLF STADSATAAL
GSDAEPGQFP RTVVHSRGET TLEQQPQVRV VLDSGEIDQV LSLGVTPVGI ASPKDASSQP
AYLENQLADV QTVGTTSELN FEAIAALKPD LILGSKLRVD ESYDQLSQIA PTVLSIRPGF
PWKENFLLTA DALGLEKAV EVLNEYQTHV DAVRETIDGS PEISLVRFP GRTRLYGNLS
FIGAILKDLG LSRPEIQNID DLAVEISPEN ITDANGDWIF YSTYKPEAT EQDNILSNEL
WHNLP RRPRR SCPPGGQ

> RXA01640 (1-3318, translated) 1106 residues
MFAPPEGDDT DEVRRTYLRH LGALRAKATD HAAMQRRHEW HRHPDPATLW STLGTRRMWE
RTQDDQDCLE IRFGLGVTRL DPAINVSDSG APEDLDPVCA VSLRHTIRDV GSVQSMFVSV
QLQAFRFIGL NGAGAHDLAR ALVVQLLYHH GPEVVGKAI GESGWEWLKW VPHTRDPEKA
AFRILLVDSV LTNGTESFID DPQWTTIINV GAQTSTALGQ LAEDEGLLLH VDKRLHVATA
HGAEELGTPD AVSAELAEVF GRRLTAFRRT TTAHAASSGE LLSLLGIDDV EHLTPETLWM
NKRTQPKTRL AVPLGLNASG RPMVLDLKE AHGGMGPHGL CIGATGSGKS ELLRTLVLGL
TITHSPEELN LVLVDFKGA TFLGFEQLPH TSAVITNLEE EPVLVERMHD AISGEMNRRQ
EALRQAGGCA NVDEYNQRDG VKPMPALLIE SDEFSELLGQ HPDFADLFVA VGRLGRLSLHI
HLLLASQRLE EGRLRGLDSH LSYRIGLKT F SASESRQVLG ITDAYQLPSQ PGAGFLKSDV
DTVTRFQASY VSGPIMRRHH LAPTQSRVRL FTSWEEPKEE VIVEQSTETL IDAVVARAIS
AAKLRLSAH RIWLPLPAE VSIGALADDV GELSAVIGMI DRPYQQRQDP LLIDFSLTGG
SGHWAICGGP QTGKSTALRS IVISMAATHS TENIRFYVLD LSGTSLENLS RLPHVAGVAG
RKDPEKVRV VDEVGRGLNH PEQRHTFLIV DGWHTITQEF DELFADFVDI AANGLASRVH
LVLSTQRWSS IRPAVRDLVT GRIELKLGEA MDSVIDRKAQ LRIPSKPGRG LNLDEKHELI
AHASGQDIAQ VCV MADGQGW QQVPQLSVLP AHILLHELEL SATPGIPIAR GGAELSTLTW
DPESRHLA FGSQCGKSS LIRTIVTGLT IVGREKARLV FFDLRRTHLG LVPEDMLAAY
CATSTAVHNT IKDMVATLSA RLP GPDITAQ ELRDRSWWQ PDIYLVIDDY DLLPAGTLHP
LREIIPHARD VGLHIVLTRK AGGASRALYD PVMSEIKDQS PHVVLFDADR DEGAILGIKP
TAQPPGRATM SIRGENIGVA QMAPHR

> RXA01653 (1-939, translated) 313 residues
GSDLQASRGL LEDDAVQNN T ETSVFTDSSK VHAINHHGKY FDVPGIAITE PSVQRTPIY
QAGASPRGLK FAGENAEAVF INSSTVEAIT KTVAKIRAAA VAAGRDPHAV KIFAMQTIIT
GETEADAQAK LEEYSRYIDP VGGLTLMGSG TGADLSQYDL DEPITNIESN AIQSTAATIS
NGTGEGAWTV RKLGEATGIG GFGPVLVSG ANVAAELARI QDLSDVDGFN LAYAITPGTF
EDVVDVFPVE LQKLSRYKTE YAPGSLRNKL LGKGDRLLDT HRGASYRLGA RNSTATIDLS
SISAQLVSQG AHS

> RXA01654 (1-996, translated) 332 residues
MSPSANAEEA PASEWVNTTA IVDQANAQLS QFGVSLDRSA AELFDDQANS QIDAALSPYA
DKVPTSGGQV VEQSLQVVEQ EVQKALPNYE IRTDLQSQVM GATLGEVLHR VPGSWFDAPA
VPEESRIVEE QGKSLYGPPT PIYLNNGNSMC TLAVTGTDAD GRKIGITAGH CGKSGDAVRS
ADSFVVGDTG TVVYNAPNAD YSVIEFGSNA ELSNTYNGVT ANAVGGGVN GQEVCKNGVA
TGYTCGLVWT ADERMTMSQV CAGRGDSGAP LIADGRVVGL VSGGVIPDYN LACATPLQGP
FFMPTLSVNM DTVLTDLDSQ DLPGRGFQPT AG

> RXA01664 (1-822, translated) 274 residues

MTVLISPSTL AESIHAGKKQ TVLAAFWAPI EGAGRTVFCS EHIPTSIFCD PALELSGVPS
 SEDGRNPLPP LNVLARSFRT WGLNTDREIV FYDQGRGLFA ARAWWILRWA GMPNVRILDG
 GFQKWEDHEL GHAGGPGNFP HFCNVRPNPG QLSVATIEDV KAHQGILIDS RDEQRFAGRS
 EKLDLKAGHI PGAININAKS LLEDDFTFKS PEEIRQIFAD KGVTSGENVI VYSGSGNHSS
 QLLAGMEHAG LTGASHYFAG WSQWSANPEN PIEA

> RXA01668 (1-1716, translated) 572 residues
 MSSFNPTTKT NEAMQAALQQ ASSAGNPDIR PAHLLAAILE QTDGVAAPVL MATGVDPKEI
 LAEAKKLVAS YPKASGANMA NPNFNRDALN AFTAAQELAG ELGDEYVSTE VLLAGIARGK
 SDAADLLTNK GATYDAIKEA FPSVRGSQVRV TTQDPEGQFQ ALEKYSTDLT KLAREGKIDP
 VIGRDQEIRR VVQVLSRRTK NNPVLIGEPG VGKTAIVEGL ARRIVAGDVP ESLKGKTLIS
 LDLGSMVAGA KYRGEFEERL KAVLDEIKGA NGEVVTFIDE LHTIVGAGAS GESAMDAGNM
 IKPLLARGEI RLVGATTLENE YRKYIEKDAA LERRFQQVYV GEPTVEDAIG ILRGLKERYE
 VHHGVRIQDS ALVAAAELSN RYITSRFLPD KAIIDLVEAA SRLRMEIDSS PQEIDELERI
 VRRLEIEEMA LSKESSDAASK ERLEKLRSSEL ADEREKLSEL KARWQNEKTA IDDVREMKEE
 LEALRSESDI AKRDGNYCRV AKLRYGRIPE LEKQIEDAES KVEVNENAML TEEVTPDTIA
 DVVSAWTGIP AGKMMQGETE KLLNMERVLG NP

> RXA01691 (1-567, translated) 189 residues
 MASQQIRYPF SAVVGQDELRL LALILTAISP RIGGVVIRGE KGTAKTITTVR AFAGLLGDAP
 LVNPLPGSTE DRVVGSLNME TVLTTGRAEY QPGLLAQADG GVLYVDEVNL LADHLVDALL
 DAAASGRVSI ERDGISHSSP ANFVLVGTMN PEEGELRPQL LDRFGLAVDV AASTNPEVRV
 EIIRRRRLDF

> RXA01728 (1-975, translated) 325 residues
 MADAVEREVF GYPDATGLN DALTGIFYERR YGFGPNPESV FAIPDVVRGL KLAIEHFTKP
 GSAIIVPLPA YPPFIELPKV TGRQAIYIDA HEYDLKEIEK AFADGAGSLL FCNPHNPLGT
 VFSEYIYREL TDIAAKYDAR IIVDEIHAPL VYEGTHVVAA GVSANAANTC ITITATSKAW
 NTAGLKCAQI FFSNEADVKA WKNLSIDITRD GVSILGLIAA ETVYNEGEEF LDESIQILKD
 NRDFAAAELE KLGKVKYAPD STYLMWLDFG GTKIEEAPSK ILREEGKVML NDGAFFGGFT
 TCARLNFACS RETLEEGLRR IASVL

> RXA01795 (1-435, translated) 145 residues
 VLIVGIRRDIT GFDFKHAPPT HGPRGDMPYK TAGEALKGVK DVPTNNNHMK IMPRTVEVLK
 RIPEGENFTA IPKDDPYVVK GMISHVYRRL HRDEPSKTLI AGGGGGTGWY HYEKNRALTN
 RERARIQSFP DDFEFLGSNT QVRRQ

> RXA01802 (1-831, translated) 277 residues
 MGDQDIIGKE SKQMDFRLLA TDMDGTLTNT HHEVPEKFWI ILEQMRAGI AFAPASGRQL
 ATLQKQFGHA GEPISYIAEN GTVVVHDGEI ISLTTIDSDT VHSIIDAVRA SDIDMGVVVC
 RPERAYVERN DEAFRAEGLK YYVSIEEVQD LHEAVNNEVI KVAIFTFQDA EKDCAPIIRA
 ASPNANVVVS GQHWVDVMDP SANKGQALAA LRDALGLEES QTLVFGDYLN DTELIKAAGK
 SYAMSNAHPD ILELADEIAP SNIEEGVIVV LEKLLNG

> RXA01828 (1-1422, translated) 474 residues
 VNRSIRITSL FSLLLILVLV ANLTWIAFR DDDLAQNPLN ARGFLEAKST PRGQISTGGQ
 VLAESSQDDQ GFYQRSYITN PTAYAPVVG Y LSDVYGAAGL ELGYNSILNG SDSSLFTSQW
 LDVISGSPTH GANIELTLDP NAQQTAYEQL SQSGYEGAVV ALRPSTGEVL AMASSPSYDP
 NQIVDPATAE DAWAEYSTE GAPLLNHATQ ESLPPGSIFK IITTAALLEN GYSADSTVTA
 EAAVTLPGTN TTLTNYGGQT CAGGGTTTTLL TAFQLSCNTA FVETGIDVGA DALRASAEDF
 GVGQTYSLGL DNVPGLGELI PDDAALGQSS IGQRDVQMN V LQAAMMAGTV SNGGVRMEPY
 LVSRVTGQDL SELSTHKPKS VGGVEPEIAE QLKTLMEASE RNTSGYTGIO IASKTGTAEH
 GDENTPPHTW YVAFNNDIAV AVLVKDGGGF GTSATGGQVA APIGRAVLQA AGGF

> RXA01829 (1-1323, translated) 441 residues
 MNTLERLKL RTEMWLLILA TLVVSIMFIS LELAMGNELG THILMLMGY IGIFIVAHLA
 MAWVAPFADQ IMLPVAVLN GIGLVMIYRL DEATGYSTVN SQLMWTVVGV TLMVAVLLLL
 RDKLSLSRY LALPLVVGIVL LALPLVVGIVL LGVEARIWIW LGPFSIQPGE FSKILLLLFF
 AQLLATKRAL FTVAGYRFLG MDFPRLRLDA PILVVWALAI LIMAGANDFG PALLLFTTVL
 AMVYLATGRG SWLLIGAVLV AVGAFTVYQV SSKIQERVQN FVDPVAHYDT TGYQLSQSLF
 GMSWGGITGT GIGQGYPNMI PVVHSDFFLA AIGEELGLIG LAIIIVLFGV FVTRGMRTAT

09603124-052300

> RXA02012 (1-669, translated) 223 residues

FTMTLSERKL	TTTAKILPHP	LNAWYVAAWD	YEVTSKKPMA	RTIANKPLAL	YRTKDGRAVA
LADACVWHRLA	PLSKGKLVTG	DGIQCPYHGL	EYNSAGRCMK	MPAQETLNPS	AAVNSYPVVE
AHRFCVWQEL	DPTLADPTQV	PDMHQMSHPE	WAGDGRITSA	DCNYQLVLDN	LMDLTHQEFV
HSSSIGQDEL	SESEFVVVTH	EDSVTVTRWM	HDIDAPPFWO	KNM	

> RXA02016 (1-777, translated) 259 residues
 MSNFETFLWV AYPWLCIAAY IIGISWRWRA DQFGWTHSS QIYESKLLRI ASPLFHWGMV
 FVVGHLMLGL AIPKSWTQAV GISDAAYHLI ATIPGTIAGI AAVLGLIGLI IRRVINKTVF
 LSTSRSDKVM YVLLGAAILS GFIA TVSTQV FGGAHGYDYR ETISPWVRQL LIFNAQPELM
 ADVPWEFKVH IVAGFTLIAL WPFTRLVHAF SAPVGYVTRP YVVYRTRD TT SEPARQNVAV
 EPIRSVKNQL DNDSKWHGA

> RXA02017 (1-684, translated) 228 residues
 MRHTGKIPD HFVPRISMTE EQRRVVFMLN SLLLDYPEEG FVDKLNAVEA QLDVLPLPVA
 AHVVEFLDAA RVAGLRAMQE AYVETFDQRR RCSLFLTYYA VGDTRQRGTA ILTFRQTLQQ
 LGFESERDEL PDHLCVVLEA AALADSSLFD AATQVLSAHR DGIEVLRAAL DNLDSPYRYL
 IMSLCQALPE IDEETANSYM ELIRSGPPAE MVGIGTPLPF PTSQPDH

> RXA02018 (1-1050, translated) 350 residues
 RICEHCLNPT CVSSCPSGAM YKRAEDGIVL VDQDQCRGWR MCVSGCPYKK VYFNHKS GKA
 EKCTLCPRL EVGQPTVCSE TCVGRLRYLG VLLYDADRVA EVAATPDEKD LFEAQKTLFL
 DPHDPQVIAD AQRNGIPHSW LEAAQNSPIY DLIFKYEVAL PLHPEYRTP MVWYIPPLSP
 IVDEV TASGN DGEDHKILLT ALSTMRIPL YLAGLFTAGD TRPVEKSLRR LAAMRSYMRD
 ISLGREPQEE IAEAVGMTGK VVQEMYRILA IAKYDDRYVI PTASPETPRG ISSLDPFPGDV
 DPARATEQLN IGLGEGAPEA CGTGAPSGKV SLTSWNVGER PAAMFPPRKD

> RXA02048 (1-1374, translated) 458 residues
 MRRLRSTPVP GTRDSYTGID FNLGFHIRRY ELDLTYRVAP NLLMGTATLH MDNYRALDAL
 TLDLGGSLRV EKVTAKGTAG THIQVARFRH AGRKLRTFR NQIPVDQEF S LTIRYRGNPR
 PLRSEWGMIG WEELDNGALV AAQPNGAPSW FPCDDTPDEK ALFDVHFHTD NGYAAIITGD
 LISKHVSGSM TTWHYQSREP MATYLA AVHV GEYDTVSLGV SESGVVVEAY VPVGDAALRA
 RILEDFAKQV DMLDAYEKLF GPYPFRSYRV VITEDELEIP LEAQGLSSFG ANHATGEGTW
 ERLIAHEL SH QWFGNSLGLA QWNDIWLNEG FACYA EWLWF EAAGVKSAAE SALEFYRGLE
 ALPKDILLAN PGAKDMFDDR VYKRGALT VH ALRELLGD DA FFKAVRSYVA EGRHGLVEPR
 DLKRHL YAVS TDHAALDAV QSWLRDLELP EFPSGGLD

> RXA02052 (1-792, translated) 264 residues
 MGTTEIPETP TRVVVIDSPH LDALLALGIT PVGATESGSE NGFPAYLADE LKDTESVGLT
 SEP NLEKIAA LDPDLIIGAK VRHEAIYDQL SDIAPTVMSE GSGTNWNEQA EITAAAVNKS
 DEMDKLISDL DTRATELGEE IGADGQTASM VRFRD NFR L YGPETFSGSV LEQVGFDLGE
 RDWNEYSMME LSSENFGQID GDLIFYTIPG SPEATTYPKI SELWVDSPAV RQGRTYEFED
 ETWMVGIGVL GANEILDDLE ETL S

> RXA02064 (1-639, translated) 213 residues
 VSNAFEYLRT YVESTTETDA AVARAREDAE EFGLPAPDEM TGQLLTTLAA TTNGNGSTGA
 IAITPAAGLV GLYILNGLAD NTTLTCIDPE SEHQ RQAKAL FREAGYSPSR VRFLLSRPLD
 VMSRLANDSY QLVFGQVSPM DLKALVDAAW PLLRRGGALV LADALLDGTI ADQTRKDRDT
 QAARDADEYI RSIEGAHV AR LPLGAGLTVV TKA

> RXA02083 (1-1410, translated) 470 residues
 MEMVMKNKRV AIIGAGPSGI AQLRAFESAE KQGHEIPELV CFEKQDTWGG QWNYSWRTGT
 DSYGEPVHSS MYRNLWSNGP KEVLEFAEYS FDEHFGKPIS SYPPREVLWD YIAGRAKKS N
 VEKYIKFAHV VRWVSFDEAT KLFTVTVENL RTGETSSDTY DNVIVGAGHF SFPNVPHFDG
 VETFPQIMH AHEFRGA EAV ADKDILLIGA SYSAEDIGTQ AYKMGARSVT FSYRSNPMGY
 EWPEEMTELP LVERFDGSEV HFVNGEKRKV DIVVFCTGYL HHYPFMPSEL TLSSPNNLYP
 DTLYRGVVSE ANNQLFWLGA QDQWLTFNMF DAQAWYVRDV ILGRVALPSK EAQRNHMDKW
 LSRFEGLKSE NDQIDFQCDY VEDLIDQTDY PSFDLKEVAN ILKGWVKSKE EDILNYRDYT
 YTSVMTGTTS VEHTTPWMIE LDDSLERYLS EPQED E ARQV YRGKKVRDKA

> RXA02092 (1-1638, translated) 546 residues
 MANSAAGSVL ADEMVPST T GFVKG VKGPG LKTRGIPYG RNTGGKYRFR APRPAKKWDG
 VRDCSMFGEV ASQPTYSWTD KIRGSEDCLN LDVVRPDSEE KLPVVVYLHG GSFIMGSSSE
 KALRGYNLVT NMNVVYVS VN FRLGALGYLD LRSVGEDCVA NPALHDQLLA LQWVSRNIKA
 FGGDPDNVTL MGESAGAAV VALMCVPAAG GLFHRAIAQS APVISVHSST QAKFWARELI
 YRMALPRETT LDEL RQESAD DLVRAGQSMW WRS GELLQLN SCYGPTVDGS LLPEHPLTMF

EQGRQHRIPF MIGTNNGETS FSKAFYLRSS ARRRSALRML SVYDPHNAER VVSAYGGGEA
 RTDFSELLAD ALFWAPSVRL AQSHASQDED TWMYRFDYAP QSMRKLGLGA IHSFELNAVF
 GDHESSRSMN LAKIAGGMDH LDKVTELVQE HWKQFIYFGR PGEEWKAYRG RSDTEPGRAT
 FVIDINSRIA WDPQRQDKRTA WENYDMLEWG TGRPDLANEL DFIEPEETEE EQQLKWLSLM
 QFFGSR

> RXA02098 (1-1746, translated) 582 residues
 MDATFWIIGL VVLVVLAIIL VLVGNQRGK SKTVSFEKPE ENKKELTQQE KSGNYQAQGG
 FNFAPAKQTE EPVLREGQDL GAPKAETTPV VPPVVIIPAA PEEKAPEQS TETFAAQKPA
 EEAPATPEPE TSDDVVEEPE VKEPEVKEVV AVEPEVETEE PAVVEEPAVA EEPAlVEEPA
 VAEPAVAEE PAVAEPAIV EEPAAVEEPA VVEEPAVAEV PETIEEPAVE ELAAVAEVTE
 AAEAAQVAVE SAEAALEETP VPDVEPEPAA EPIDEIVPAA GRIGKLRGRL SRSQSVFGKS
 VLGILSAGDL DEDAWEDIEA MLIKADLGAK ITARVVDELK DKIAEHGVGS EAEARAMLRA
 SLIDACRPDL DRSIKAMPYE GKPPVVLVVG VNGTGKTTTT GKLARVLVSM GHKVLGAAD
 TFRAAAADQL ETWGRRVGAE TVRGAEGADP ASIAFDAVAK GVERQADVVL VDTAGRLHTS
 TGLMDQLGKV KRVVEKKAVV DEVLLVLDAT VGQNGMQQAR IFREVVDITG VVLTKLDGTA
 KGGIVFQVQE ELGVPVKLVG LGEGADDLAP FEVEGFVDAL LG

> RXA02101 (1-1263, translated) 421 residues
 MSRISELLNN HGVDLSWQEA AYQDFHEHPE LSGFESETAD RIQKYLERFD CEVIPNVGGY
 GILAVFRNGS TDPGAPVALM RADFDGLPVK EITGVPFFAST RMRPHDGANV HVMHACGHDV
 HVTALLGACA ILDERDAWE GTFIALFQPS EENSQGANM VAGGLVDLIP RPDVCFGQHV
 VPGAAGTVMS MPGGALAACD SIEIRIQGRS AHGSMPHNSI DPTYVAAMIV VRLQGIVGRE
 VSPEDFAVIS VGTLSQGNNT NTIPASARLV LNCRFYNDKV KHKVYRAIER VVRGECLASG
 IEEEPVIEYF AHGDLTNNTV VVFDTVRPVF DDVFGEDSID AYRWTASEDF PSIPKAFNSP
 YLYWTIGVTP RDQWTEAVER DRVASDV PAN HMGDFLPDYA PTMSAATRAA AAALLTYLGT
 N

> RXA02105 (1-291, translated) 97 residues
 MVGTISTYIA FNGNTTEALK HWQEVFGGEL NLLTYGQLTL EGMPFDPPAD ALAHGVLTLD
 NGGLISGSDS FEGEMLVKDT AYSMLYNAES VEDGRAR

> RXA02111 (1-1284, translated) 428 residues
 MTTISITPSVN LALKNANSCN SELKDGPFWL DQPGMPDVYG PGASQNDPIP AHAPRQQVLP
 EEYQRASDDE LHRRIREAKD TLGDKVVILG HFYQRDEVIQ HADFGVDSFQ LARAAKTRPE
 AEAIVFCGVH FMAETADLLS TDEQSVILPN LAAGCSMADM ADLDSVEDCW EQLTSIYGDD
 TLIPVTYMNS SAALKGFVGE HGGIVCTSSN ARSVLEWAFE RGQRVLFPPD QHLGRNTAKA
 MGIGIDQMPL WNPKNPLGGN TVSELENKAV LLWHGFCSVH KRFTVEQINK ARAEYPDVHV
 IVHPESPMPV VDAADSSGST DFIVKAIQAA PAGSTFAIGT EINLVQRLAA QYPQHTIFCL
 DPVICPCSTM YRIHPGYLAW ALEELVAGNV INQISVSES AAPARVALER MLSVVPAAPV
 TPSSSKDA

> RXA02118 (1-342, translated) 114 residues
 MSDQLAPCPE CSSEYTYENG GVLVCPMAH EWVEGEVAEE TATVIKDSVG NILNDGDSVS
 IVKSLKVKGG GAIKIGTKVS GIRLLEEPVD GHDIDAKVPG FGQMLKSSV VKKA

> RXA02120 (1-762, translated) 254 residues
 MSDLKSLATK FASDHESGKL LVLPTVWDTW SAGLVEEAGF SGLTIGSHPV ADATGSSDGE
 NMNFADYMAV VKKITSAVSI PVSVDVESGY GLSPADLIAQ ILEAGAVGIN VEDVVHSEGK
 RVREAQEHAD YIAAARQAAD VAGVDVING RTDAVKLGAD VFEDPMVEAI KRIKLMEQAG
 ARSVYPVGLS TAEQVERLVD AVSVPVNITA HPVDGHGAGD LATLAGLGVR RVTFGLWQK
 WLAATSAQQL KGWA

> RXA02126 (1-321, translated) 107 residues
 MGQKVTAGRD ILGEFAPKSA ELNDDVLFGQ VWSRESELSP RDRSIVIVTM LMASGVLD SA
 FESHVQRAKD NGVTAEIEAE IITHVAFYAG WPKAWAAFR I AKDIYTK

> RXA02192 (1-522, translated) 174 residues
 IPDIGFGVFQ TPPDETRNSV NAALEAGYRH IDTAAAYGNE REVGEAIAAS GIGRDEITIE
 TKIWVTDYGF EETLHAFDKA TGKLGVDTL D ILILHQAVPS SFDRTIAAYK ALEKLLFDGA
 VRAIGVSNFM PEHLDKLLE TSIVPALNQI ECHPYFQQRD VLARNEQLGI LTQA

> RXA02214 (1-609, translated) 203 residues
MSPTVLPATQ ADFPKIVDVL VEAFAANDPAF LRWIPQPDPG SAKLRALFEL QIEKQYAVAG
NIDVARDSEG EIVGVALWDR PDGNHSAKDQ AAMLPRLVSI FGIKAAHVAW TDLSSARFHP
KFPHWLYLTV ATSSSARGTD VGSALLNHGI ARAADEAIYL EATPTRAQQL YNRLGFVPLG
YIPSDDDGTP ELAMWKPPAM PTV

> RXA02215 (1-867, translated) 289 residues
AQELLVKLLP HSGNALRIGI TGVPGVGKST FIEAFGLHLI EQGHKVAVVA IDPSSTKTRG
SILGDKTRMS KLSNAENAFI RSPSPAGTLG GVAKATREAM VVFEAAGYDI IIVETVGVGQ
SEVAVSHMVD IFTFLALSGA GDQLQGIKKG VLEMAELVAI NKADGPNEKP AKRAARDLAS
ALRMVRSPE LWHPPTITMS AVEGTGVDTF WHHVQNHHKT MVEAGEFDRR RRDQQVGWTW
SMVHETIRMR LENDPGVQVV SQDMERALRK GSTTPTLAAQ NILEAFDKA

> RXA02264 (1-120, translated) 40 residues
MIPGEYILSS ESLTGNVGRE AKTIEIINTG DRPVQIGSHF

> RXA02265 (1-300, translated) 100 residues
LHITPREQEK LMIVVAADLA RRRKDRGLKL NHPEAVALIT YELIEGARDG RTVADLMSWG
STILTRDDVL EGIPEMIPDI QVEATFDDGT KLVTVHNPIR

> RXA02274 (1-1602, translated) 534 residues
YAAIGEEVAF GGGKVIRDM GQNGTLVRDV DIPDTVITNV IVLDYTGVIK ADVALRDGKI
FRIGKAGNPV VMENVDIVIG VATDIIAGEG KILTAGGIDT HVHFLGTDQV NTALASGITT
MIGGGTGPSQ ASMATTVTPG QWNTYNMLSA FEGMPMNFGI LGKGHGSSKS PLAEQVRAGA
IGLKIHEWDG ATPSSINTAL EVADDMDIQV ALHSDTLNEA GFVEDTIEAI AGRVIHTFHT
EGAGGGHAPD LIRVAALPNV LPASTNPTLP YTRNTVEEHL DMVMVAHHLN PDIPEDVAFA
DSRIRAETIA AEDVLHDMGI FSITSSDSQA MGRVGETITR TWQVADHMKR TRGSLTGDAF
YNDNNRLRRF IAKYTINPAI AHGVDYVVRV VEEGKFADLV LWDPKFFGVK PDLVIKGGGLM
VNSLMGDSNG SIPTPQPRTL RNTWGAFGQA VSRSSITFLS QDAIDANVPD LLNLRKQIRG
VRGVRNLTKR DMKLNAMPD IRVDPETYQV FVNGELITSK PAETVPMARR YFLF

> RXA02275 (1-471, translated) 157 residues
MIITAIDTNI YDEPEFVEGR DVIGVRFEDL VLDKRIQVA LPGGEELGLR LNHGHPILRE
GDVLKADDKT VVFVEIIPD VLVITPSDIH QMGFVAHSLG NRHLPAQFSK PGELTEKAAM
IVQYDHTVVS FLDEHGIEYQ RTELVPPIPF RHSGHTH

> RXA02276 (1-678, translated) 226 residues
MDLDADFLLL HLSDSLPTG AFAHSFGFET YMDAERITNA EEFQDWLKV LKVQLTSSDA
LAMRMFYATP TVSELKRLDE RLFAGTPARE IREANARMGT RMAEIVAETY SVPLIVEYLE
LIQHRELSGH PALALALATH SAGIDVDRAI HAHLTATVSS LIQNAVRGIP LGQMAGQVRM
FAMREHIGAA VKRSANLDEI DFCSGDPGLD ISQMVHETQR ARLFMS

> RXA02277 (1-615, translated) 205 residues
MGPIRIGVGG PVGAGKTQLV ERITRALIDE VSMAAITNDI YTIEDAKILA ANGVLPPEERI
VGIETGGCPH TAIREDTSMN DAAIKDLVER FPDLELIFVE SGGDNLSATF SPELVDFSII
IIDVAQGEKI PRKAGQGMK SDLFINKTD LAPYVGANLD VMVEDAKAFR KNKPFCLTNL
RTDDGLDKVL EWIRHEVMMQ DLQEA

> RXA02278 (1-849, translated) 283 residues
MTQTQPVGTL RLTIDDQGPQ QQSRAVEQFH QGALRVIRPH YLDDSGQVCY TIIAIGGGYL
GGDVYEQQFT IKDNAKALIT TQSATKIYRT PQGPATQHT E INVGENAVLE YLADQTIAYR
EATYHQFTKV ALHPSATFVM SEQITPGWHP DGKHFAYDEM RLHTEITDST TGRVLVLLDNL
LLRPDSREGS FGWTEQYTHS QQMIVMGEGV DKQLVAELNE QLAHPDVYG AVNFLSAPGT
LLRGFIARTL SNRTEELINL HEHIASLLRG RWRGQEPVNL RKY

> RXA02316 (1-1014, translated) 338 residues
MSTPTVDEIL ERAHVSLPM RVKFRGVTT EALLIEGPAG WGEFAPFLEY DPQESASWLK
SGIEAAWEGF PAPLRDRVEV NATIPAVPAD QVAEVLDRFP GCRTIKVKVA EPGQTLADDI
ARVAAAAREAR PGAIIRVDAN CGWSVEQAVE AAQALAPLDY LEQPCATVEE LAEVRMTVQR
RGLFVRVAAD ESIRKSDDPY RVADLRAADV AVVKVAPLGG VKRVLEVQVH LRARTMDITV

ASALDTVVG M NAGLAAVAAL PKLDDDDLLID VPPAAAGLAT SQLFLEDVAT PHAITDGFME
TRVIAPEMDR LETLAASKDR RDWWFERVRE SYPYLETI

> RXA02317 (1-612, translated) 204 residues
MAHMRLLLT S FGHDHIRDFV RGTVAYIPDA TRLFADSPEA APFMETERNM LREHGLSIRE
LPISTSTPEE VDRVLGEVDG VYVAGGETFD LMWLLRSTGN DEVLIKHVRA GLPYIGTSAG
AVIAGPSIEP ISFLDSPDVA PNLSYDSGLG LCEHVVPVPA GGTIPQFPID VFAETVRTYG
AEFPLVLLKD GQALLIDDHG VHLI

> RXA02334 (1-354, translated) 118 residues
GVLPDWMSTA TQPSNTGVLR GEHIPGAINL DWSDAVLPNG NFRTRAELDK LYADLNPADD
TVVYCQVGDR AAHTWFVLKY LLGFNNVRNY DGSWAEGWGM VRMPIETGEN TKNNVSVS

> RXA02351 (1-939, translated) 313 residues
VEGSVEKLGL ISWHEELART AERKGLDAVF LADGQAINPV GLENGPGWFL EPVTALTAMA
RATNNIGLIS TISSTFWQPF HAARMIASLD HISGGRAGIN VVTSMTDAEA RNHGMDALPG
HDVRYARAAE FIETITALWD SWPAESLVM D RAGKFADSSL IKSIDHDGEF FQVAGPLNIP
SPPQGRPVLF QAGSSPQGRE IAAKYAEAIY SVAWDLEQAQ DYRSDIHARA TAQGREPMPV
LPGLVTFVGT TVEEARAKQQ ALNALLPVKD SLNQLSFFVG QDCSTWDLDA PPPPLPPLEE
FSGPKGRYET VLR

> RXA02410 (1-666, translated) 222 residues
MDMGPVGLAA VQEIQDPADA HVIFSHLHTD HCA DFASLMV WRRFHPTLAA KSRNLLFGPE
DTPNRLGRLS SDEPDGVDDM SDTFAFDWE ERKPELIDNF TVTPFRVVHP IETYALRVEE
HRTGASITYS GDSAYTEALI DAARNVDIFL CEATWGTSCD DKAPGMHMC G QDAGRIAAAA
GVKKLIITHV PPWIDAEATV AAAAEHFDGP IELARSGMVI EF

> RXA02411 (1-849, translated) 283 residues
MATVTDFSGS MIERPVPGAD APIGIFDSGV GGLTVARTII DQLPHESVIY IGDTANGPYG
PLPIAKVREH AIRIADELVE RGCKMIVIA C NTASAAFLRD ARERYSVPVV EVILPAVRR A
VASTRNGKVG VIGTVGTINS GAYQDLFSAS PSIVVNAVAC PRFVDFVERG ITSGRQILNI
AQDYLEPLQA EGVDTLVLCG THYPLLSGVI QLAMGDHVS L VSSAEETAKD VLRILSQQDL
LADPDMHPEP SYSFESTGDP EIFAQLSRRF LGPIVSQVRQ NEG

> RXA02448 (1-1089, translated) 363 residues
VNNSLAFNHD TLPQKVMFGY GKSSAFLKQE VERRGSAKVM VIAGEREMSI AHKVASEIEV
AIWHDEVVMH VP IEVAERAR AVATDNEIDL LVCVGGGSTI GLAKAIAMTT ALPIVAIPTT
YAGSEATNVW GLTEAARKTT GVDLKVLPET VIYDSELTMS LPVEMSVASG LNGLAHCIDS
LWGNADPIN AVLAAEGIRA LNQGLPKIVA NPHSIEGRDE ALYGAYLAAV SFASAGSGLH
HKICHTLGGT FNLPHAQTHA TVLPYVLA FN AGDAPEAERR AAAAFGTDTA LEGLQRLRLS
VNAPKRLSDY GFEASGIAEA VDVLTLEKVP A NNPRPVTREN LSRLLAALN GEDPAVLSAV
LSN

> RXA02449 (1-903, translated) 301 residues
MTTTTADHNI SAQQKAVEEN LVNRVLQSFD ACENPRLKQL MESLVVHLHD FIRDVRLTED
EWNYAIDFLT AVGHITDDKR QEFVLLS DTL GASMQTIAVN NEAYENSTEA TVFGPFLLDD
APEVELGGDI AGGAQQQAAW IEGTVTDTEG NPVPNARIEV WECEDEGLYD VQYADERMAG
RAYMHTDANG DYRFWGLTPV PYPIPHDGPV GNMLKAVGRS PVRCAHLHFM VTAPELRTL V
THIFVEGDPQ LEIGDSVFGV KDSLIIKKFEE QAPGTPTPDG RDLGDQTWAR TRFDIVLAPG
A

> RXA02470 (1-981, translated) 327 residues
MFERFTDRAR RVIVLAQEEA RMLNHNH YIGT EHILLGLIHE GEGVAAKALE SMGISLDAVR
QEVEEIIQGQ SQPTTGHI PF TPRAKKVLEL SLREGLQMGH KYIGTEFLLL GLIREGEGVA
AQVLVKLGAD LPRVRQQVIQ LLSGYEGGQG GSPEGGQGAP TGGDAVGAGA APGGRPSSGS
PGERSTSLVL DQFGRNLTQA AKDGKLD PVV GRDKEIERIM QVLSRRTKNN PVLIGEPGVG
KTAVVEGLAL DIVNGKVPET LKDKQVYSLD LGSLVAGSRY RGD FEEERLKK VLKEINQRGD
IILFIDEIHT LVGAGAARRR NRRCLPA

> RXA02471 (1-1833, translated) 611 residues
VQHEGAIDAA SLLKPKLARG ELQTIGATT L DEYRKHIEKD AALERRFQPV QVPEPSVDLT

VEILKGLRDR YEAHHRVSIT DGALTAQAQL ADRYINDRFL PDKAVDLIDE AGARMRIKRM
TAPSSLREVD ERIADVRREK EAAIDAQDFE KAAGLRDKER KLGEERSEKE KQWRSGDLED
IAEVGEEQIA EVLANWTGIP VFKLTEAESS RLLNMEEELH KRIIGQDEAV KAVSRAIRRT
RAGLKDPKRP SGSFIFAGPS GVGKTELSKA LAGFLFGDDD SLIQIDMGEF HDRFTASRLF
GAPPGYVGYE EGGQLTEKVR RKPFSVVLFD EIEKAHKEIY NTLLQVLEDG RLTDGQGRIV
DFKNTVLIFT SNLGTADISK AVGLGFSGSS ETDSDAQYDR MKNKVHDELK KHFRPEFLNR
IDEIVVFHQL TKDQIVQMVD LLIGRVSNAL AEKDMSIELT EKAKDLLANR GFDPVLGARP
LRRTIQREIE DQMSEKILFG EIGAGEIVTV DVEGWDGESK DTDRAKFTFT PRPKPMPEGK
FSEISVEAAE AIQDVDSAAD GDVPETDSLS DIDLETLEKF EEDVENGTDI DQVSGDYGT
DDQGGTAPSK E

> RXA02477 (1-621, translated) 207 residues
MPLRNVDRTP PAVWEALLAG NERFISFNE RPNQDAPRRR ELRNGQTPAA VVISCSDSRV
PVEIIFDVGL GDLFVVRTAG EILDQAVLAS IEYATESIGV PLVIVMGHES CGAVAATAAA
LEGGALPGGY QRVLVEKVAP SILEAKAEGE SSIKEFEEHH VVATVNQLLS RSPEIHQKVE
TGELGIIGLR YRLSDGRTEP VISKNVG

> RXA02497 (1-927, translated) 309 residues
VRLGVLDVGS NTVHLVAVDA RPPGHPTPMS NWRTPLRLVE LLDDSGAISE KGINKLTSV
GEAADLAKTL GCAELMPFAT SAVRSATNSE AVLDHVEKET GVRLSILSGE DEARQTFLAV
RRWYGSAGR ITNLDIGGGS LELSSGTDES PDLAFSLDLG AGR LTHNWF DTPPARKKIN
LLRDYIDAEI AEPARQMRTL GPARLAVGTS KTFRTLARLT GAAPSSAGPH VTRTLTAPGL
RQLIAFISRM TAADRAELEG ISSDRSHQIV AGALVAEAM RALDIDKVEI CPWALREGVI
LTRIDKGLE

> RXA02513 (1-732, translated) 244 residues
MLPIWMGLPF KKAGALSRRK AVFSALGADA LMGAALPTIP TAQAQTPTGY GF DATASISE
EPEFSTQQLA DGGTLGFDCY RIPS LGVAPN GNVLASWDGR PNNCSDAPQP NSIVGKVSTD
NGATWGEQHD ISAGITAEPK TGYS DPSIVV DWERGDVFNH HVKSFDAGYF TSQPGTDPDD
RNVAVHAYAK SSDNGSTWVA DTVITDQVVA HDTWDSRFAT SGNGIQLQYG AYKGRVLQPS
VTRM

> RXA02526 (1-1206, translated) 402 residues
VITEDDAAQI NQAAVLSNID REKLWEDAKN VGYPILGLVR QIASHLPEGP NGRVHYGATT
QVIMDTGLVL QMTASLNALD KQIVRLGNAL AARAEHKDT VMPGRTHAQO AIPTTFGATL
ATFLDQIRRO RERLEEALER VRVISLFGAG GNNAAQGEQA ATVRAEMARL LDLKDPVVS
HVERDVLGDF GWVCSTLCGS MAKFG RNIVD LSRTEIGEVF EPYNSHRGAS SMMPQKVNPI
SSELMIGISV VAGALTSTLP RLQESGHERA AGEWQGEWLV IPTLANLAGA ALDEAIVVAE
GMRVDTDRMS SNLAFAGGLI MAEAQMIQLA PALGREKAHD LVYEASTKTR EEHTTLAEEL
PIIAVQHGV E DLLPKNFAPQ ADYVGEAQSM VNAAVA AWA QL

> RXA02530 (1-450, translated) 150 residues
MNRPDPKTPA GTLVAGYYGA YENEF SFAVV RPVKVSRVEP TSEDPSSPLR VSSDDGREWI
TRMVLNATGT WTNPYVPYIP GIDKFQ GKQL HTVNYRKAED FKGKKVLVVG GGLSAVQFLL
ELEGLAETTW ATRRPRTYAA RVRRLGHCG

> RXA02531 (1-711, translated) 237 residues
MKIPLYMAEE AAALNLLADG RLALGVSRGS PEPAEKGWEA FG YDGGDDPK AAGMAREKFL
RFLDAIDGRP MSIASENQYP RLYHPGTPLP IFPHDL DLGK SIWWGAGSHN TAEQAARDGV
NLMSSTLVAE ATGQSFGDLQ ADQIAFYRQA WKEAGHDWTP RVSVSR SIFP IVTDRDRELF
GLQGQGGDQV GILDDTRSTF GRSYAGSPDE LIDQLQGRQS CDGSRHLDAH RPQPNGC

> RXA02535 (1-1155, translated) 385 residues
VTPRPVSSVA RLVEDNAQDF LRAVQAKLLT LAPQARGHFP TADDATHISI AEMVSALLEG
TGEKGKVDK TLEFFKEAAL DARRFGLTPE MHSALGEAVR SELLSLCE DL PFENVLFAER
AIAATTAVSV EAVREADEAH IPASYQAEIV EVEKRSRRFT VVRMQAETQL PYLPQG YLAA
TADFLPNTWR YLCPSIPTNE WGQVEFHQS DADDIAGLLA TTRLGDKWRL GPGRGDFGQS
KISSGNDLLF IAHGTGLAPL RAYMFELMNQ AAPRLHFFV GADYPGE LYE LTGMWNFAAA
SPWLSVVPVS THDKDAWWQ ATEASQPPRG LHLHQTGSMA KIVTEAGAWA DRDVLIAGPE
SWARDVRRAM IRRGTPAQOI EILGF

> RXA02548 (1-291, translated) 97 residues
 PPIYFSDHRE VFERDGMWLT AGEWGGPKKG EEIVTKTVRY RTVGDMSCGT AVLSEARTID
 DVIEEIIATST LTERGATRAD DRLSESAMED RKKEGYF

> RXA02558 (1-975, translated) 325 residues
 MSTIEERTPG AVATEPVGHE GARVSINEKN VWSLGAGPAA FALLAMIVLM IASGVFFAQS
 INTLENDGGG TLAVTGLIAS IVVFTVALVV TITSVKVVSP GHTLTVQFFG RYIGTLRRTG
 LSFVPPPLSVT KKVSVRVRNF ETNEAKVNDY NGNPINIAAI IVWQVADTAQ ASFSVEDFEE
 FLHQQAESAL RHVATQHPYD SPVDGRVSLR GATDEVSEEL ADEVAQRAAV AGLEIVEARI
 SLSYAPEIA QAMLQRQQAS AIVDAREKIV EGAVTMVETA LDQLEQREIV DLDPERRAAM
 VSNLLVVLCS DTNAQPIVNA GSLEYQ

> RXA02565 (1-342, translated) 114 residues
 AALGDLADEV EIEHLISEEA TVSPTDSRLY NTLEKVLGDF FPDAPVVPPII SSGGSDDLRFG
 RRLGGVGYGF AVHARERTLA EAMGQLHSHD EALYLEDLEL TVRGYDSVVR EFLG

> RXA02567 (1-738, translated) 246 residues
 LIRNACVNDL TPDSGQEIRN AESLERFFEG TPNVKITKLE PHPGRTSIIIV TVPGSDPDAAE
 PLTLGLGHTDV VPVDLPKWKD DPFGAEISDG QIWGRGSVDM LFITATQAAV TRQVAREGGL
 RGTLTFFVGVA DEEARGGLGA KWLSEEHQNL FSWKNCLSES GGSHPVHDG SDAVVINVGE
 KGAAQRRRIHV NGDAGHSIP FDRDSAIVKI GEVARRIAAA DLKVAKDDIW QGFVQAHFRD
 PETEQA

> RXA02574 (1-1008, translated) 336 residues
 LARAQIPEQQ RDQVASLMMV GVANYDQALD ALNQGVGIGF IGSWTDENLL TEPGRNIEAL
 REAVGRDFSV SIDFEGGRVQ RATNILGDFP SPRVMAQTMT PEQVEDLAEI LGTGLAAHGV
 TVNFAPVVDV DAWGLPVVGD RSFSNDPAVA ATYATAFAKG LSKVGITPVF KHFPGHGRAS
 GDSHTQDVVT PALDELKTYD LIPYQALSE TDGAVMVGHM IVPGLGTDGV PSSIDPATYQ
 LLRSGDYPGG VPFDGVIYTD DLSGMSAISA THSPAFAVLA SLKAGADQAL WIDYGSLSGA
 IDRVDAAVSS GEYPQEQMLA SALRVQLLYI TRLEQK

> RXA02589 (1-765, translated) 255 residues
 MSISDNSRDQ LGELPAGRPL QSDFDNDLDY PRLGSVTFRR GTLTENQQTMT WDEKWPELGR
 VLEDELIDVD AWFREGAKT IVEIGSGTGT STAAMAPLEA DTNIVAVELY KPGLAKLMGS
 VVRGEIDNVR MVRGDGIEVL NRMFADGSLD GIRVYFPDPW PKARHNKRRI IQSGPLNLFA
 KKLKPGGV LH VATDHADYAE WINELVEVEP LLEYKGWPWE ECPQLTDRQV ITKFEGKGLE
 KDHVINEYLW QKVQN

> RXA02592 (1-771, translated) 257 residues
 MASFPPELPA RRLATLGRSW GLLSDFKYEQ TRPDIFYGNL ALDTSSLVAA LSEDISGAGL
 NDLKVLVDVG GPGYFAEAFE TLGATYFSVE PDVGEMSAAG IDVHGSVRGS GLDLPLPDS
 FDVVYSSNVA EHVSAPWELG EEMLRVTRSG GLAILSXTIW LGPFGGHETG LWEHYVGGF
 ARDRYTKKHG HPPKNVFGES LFNVSCREGL EWGASVGNAE LVAAFPRYHP YWVWMMVKVP
 VLREFAVSNL VLVFKKH

> RXA02603 (1-996, translated) 332 residues
 VSEHAAEHHR DTQNFLTSEP HTTAIEDNKK RQPPKNLADG MIKALRPKQW VKNVLVLAAP
 LAAGADAIFN QRTIIDVAIA FVVFCFGASA IYLVNDARDV EADREHPTKR FRPIAAGVLP
 VGMAYGMAVA LIALSIGLSF LATDGVALAC VIGVYIALQL GYCFGWKHMP VIDIALVSSG
 FMLRAMAGGV AAGIELSQWF LLVAAFGLS MASGKRYAEI LLHERTGAKI RKSLESYTPT
 YLRFVWMAA TAVVMSYALW GFDLSQHSTD AGPWYQISMV PFTIAILRYA AGVDTGDGGA
 PDEVALSDKV LQVLALAWVF CIVMAVYIMP MF

> RXA02630 (1-1323, translated) 441 residues
 MTNQFPTNNG ENPDRASTEP SETNSFEHVR SSYPQWGNTA SNQNPYPGAG FGSEQNTQQG
 NEQQAPAWTS WDNQPLSTDV KPAKEKRKVG IGTALALMLV GSIATGSVVG VAATQLGSDS
 STPVNALEQP SVQRTTNAEP GSAEQVAAAV LPSVVSIIQAI TRTSASEGSG SIISSDGYVM
 TNNHVAGIE QSGVLEVSFS DGTTAQADFI AGDPSTDIIV IKIRDVSNLP VMSFGDSDAL
 GVGQSVMAVG SPLGLSSTVT TGIVSAVNRV VRASGDGGES SLIDAIQTDA AINPGNSGGP
 LVDMDGNLIG MNSVIASISS TSDSAGSIGL GFSIPSNAFA RVADQLISTG QVTQPMIGVQ
 VGTDNSVTGA VIASVQDGGP AADAGLQPGD IVTKLNDRIV DSPDSLIAAV RSHDFGETVT

LTITQPDTSQ SREVEVTLTS E

> RXA02641 (1-2076, translated) 692 residues

MLAIILTAVL GASGLAAAGT QYLNTQGEI GPVAVQNDSE SFNSGTNVVV EDAAVTAQGE
 GGGARTVKEF QRDQQFSSFA LTWTGKKDIT AFVRAEQEDG TWSQWYDLEP MVNEDQGTNG
 TELIWHGPTN KIQVSTLNVD LFGADAAAAD ENGQDIPAVD AAEEAAPAAEP APAEAPVEEA
 PAPVAEPAPA AEPIAEPVAD YSANDGLAPL PSNYGDIQPV ADVDDGLNAV FIDGNADAGV
 GIANVADTDG MPKVISRAGW GADESLRCSN PTIDDGVSAI TIHHTAGSNN YTEAQAAAQV
 RSAYSYHAKN LGWCDIGYQS LVDKYGNIYE GRAGGMTNAV QGAHAGGFNQ NTWAISMIGD
 YSYNAPPQET INAVGELAGW RAKVAGFDPT GTDTHYSEGT SYAKYSYGTR VSLPNILAHR
 NVGLTACPGD AGYAQMENIR QIVKAKYTSI QNGNTGGTTT TPATTPKETS TSNA PSTTTA
 QLVTPAEPQQ YSEDALAAL LTGGSSGGTD LLNGANSEQL LTGLGSIAAV LIAASLADGG
 LNGLISNVGS NNGVPVLGDI KITDVIPIVD TAINLTGDNK YSRGWNDLNN TLGPVLGAAT
 GGETTVKYTS DQNSEVTFVP FENGIMVSSP EAGTHGLWGA IGDWAQQGA DLGPLGLPTS
 NEYTVGEQLR VDFQNGYITY DSATGQASIQ LN

> RXA02643 (1-1044, translated) 348 residues

MKNVSFGLDT FGDNAIDLQG NPVSPAQTLR NIIDEAKMAD KVGVDIIGIG EHHREEYSVS
 APDIVMTAIL ASTERLKVTS SVTVLSSDDP VRLFERYSTN NALSNGRAEI TLGRGSFIES
 FPLFGFDLQD YEQLFSERLD LFAKILEADS RGQGVTHWGE TRSALENQML YPPTENGIHA
 WVAVGGSPES VVRAAKYRFP LMLAIIGGAP ERFERYVDLY KRANEQFGQP QKPIGVHSPG
 LIAATDEEAR ELALNDWLEL QRKIGAERGW APADAMQFER EIDHGSLYIG SPETVAKKIA
 KTISVLDLDR FTLKYASGQT PHEYLLKSIE LYGTEVIPLV KDILTKQA

> RXA02644 (1-651, translated) 217 residues

MAHLTQYQLP QAGQVFEHEL EIKRSRFLTY ITRVQDQEQ REFHSIKEL YPDARHHCSA
 FIFHVDGSND VERSSDDGEP SGTAGKPMLE ALRGSGMKDI AAVVVRYFGG VKLGTGGLVN
 AYTNVATELL PEVLQVTRSV REIFKIDLPD SDAGRIEANL RGMGIIITDT EYGAEVITYL
 ALLPGEQAAV ESQSSMMGA EIELKESGHE WVESPSD

> RXA02702 (1-1458, translated) 486 residues

VTPHLDASQ DIDLSRVHLI GIGGAGMSGV ARILLARGKT VTGSDAKDSR TLLPLRAVGA
 TIAVGHAAEN LELSGELPTV VVTSFAAIPQ DNPELVARE EGIPVIRSD LLGELLEST
 QVLIAGTHGK TSTTSMSVVA MQAAGMDPSF AIGGQLNKAG TNAHHTGEV FIAEADESDA
 SLLRYKPNVA VVTNVEPDHL DFFKTPEAYF QVFDDFAGRI TPNGKLVCL NDPHAAELGE
 RSVRKGIKTV GYGTAQVQA HPEVPAMATI VDSQVVAEGT RATINIDGQE VSVILQIPGD
 HMLVNGAAAL LAGYLVGGDV DKLVEGLSDF SGVRRRFEFH GAIEGGKFNG AAIYDDYAHH
 PTEVTAVLSA ARTRVKAAGK GRVIVAFQPH LYSRTIEFQK EFAGALSAD AAVVLEIYGA
 REQVDGVSS EIITDAMTIP VVYEPNFSAV PERIAEIAGP NDIVLTMGAG SVTMLAPEIL
 DQLQNN

> RXA02703 (1-1089, translated) 363 residues

MANSKPMPRV VVAGGGTAGH IEPALAVAEA LRDKHGATVS ALGTARGLET TLVPDRGFEL
 HLIEPVPVPR KPNMDLLKLP FRVAKALGQA RKALKDQDAQ AVIGFGGYVS APAYMAAKSL
 GLPFFVHEAN ARAGMANKLG VKLGGVGLNA VAGSGMDGDV VGIPRAVLS GARDESAADR
 ARDTWGLDKD RQTIFVTGGS QGSVSINKAV EQAVDQVLEA GFQVLHAVGK KNELPAKPG
 YHPVPFIDDM QAAYTVADLI VCRSGAMTVA EVTAAGVPAI YVPLPHNGE QALNAQAVIK
 AGAARQIDDA DFTAQTLIDA TLDILLHPST HQSMSDAKT STAGNASTVI ADMIAATINS
 QHN

> RXA02704 (1-1689, translated) 563 residues

MTTGASKKPA RPNTGAKTRT GLGIRERISG AWDNLLARPL TDYIMILCIV VILSCLGVVM
 VYSSSMTWSL REGGSVWGTA VRQGIMIVLG FFAMWVALMT RPQTIRNLSN LILIVSIVLL
 LAVQIPGIGT GKEEVGSQSW IALGPIQFQP SEIAKVAIAV WGAHYLAGKG PVQHWENNHL
 MRFGGVGAFM AFLIFMEGDA GMAMSFVLVV LFMLFFAGIA MGWIAIAGVL IIAALAVLAL
 GGGFRSSRFE VYFDALFGNF HDVRGIAFQS YQGFLSLADG SGLGVGLGQS RAKWFYLPFA
 KNDFIFAIG EELGLWGGAL VIALFAGLLY FGLRTAKKSH DPFLGLMAAT LTASVVSQAF
 INIGYVVGLL PVTGIQLPMI SAGGTSIIT LASMGLLISC ARHEPETVSA MASYGRPAID
 RLLGLREPSL TLTTNSASLR SNKTKAAKQK PSPQKESRDR FGEPVTARRA QAPRSGRAGV
 QSEAPRRSTG SVKGRSSGQD NGRSNEGTAQ SQSTTGGRRA DRSVDRSRQS RPTERRSESR
 AMIGVTTATA DKCEIRRTTN KDG

> RXA02705 (1-1416, translated) 472 residues
 MGSLSHLPQA LQGRILVAGA GVSGLSIAKM LSELHCDVVV ADDNETARHM LIEVVDVADI
 STAQAQEQLD SFSIVVTSPG WRPTSTLLVD AHRQGLEVIG DVELAWRLDQ AGVFGEPTW
 LAVTGTNGKT TTTTMLAAMM NEGGF TAKAV GNIGIPVSEA LVAKNRIDVL VAELSSFQLH
 WSPTFTPDAG VVLNLAEDHI DWHGSMRDYA LAKMEVLK GK VAIIGADDPY LVQLTSEADL
 SGLIGFTVNE PATGQLGVKA GELVDNAYGN NVVLASADGI NPAGPAGVLD ALAAAVARS
 QGVAPEAIAR ALDSFEVAGH RGQVVAEHDG VHFIDNSKAT NPHAADSALA GHDSVIWVVG
 GQLKGADIAP LVKKHEQRIK AALVLGADRA EIVAALKEHA SQASVFVTDK TEPFEAMEEI
 VTEAFSISEP GDTVLLAPAA ASLDMFKGMG QRGDLFAHNI IGTIKGLTEE KG

> RXA02706 (1-1098, translated) 366 residues
 MQQIMVSGTV AFLVSIFLTP VLIRYFTNRQ LGQEIREEGL QSHLRKRGT TP TMGGIAIIAG
 IVVAVVFTNI LAMIQGVGGF TVSGLLVLGL TLGLGATGFA DDFIKLYMNR NLGLNKTAKL
 VSQLAIALIF GFLVLQFPDE NGLTPASTHL SFIRDIDTID LGFGGSVFGI IVFLIFIYV
 VSAWSNAVNI TDGLDGLAAG TTAFFVMGAYT LITFWQFRNS CDTAVEAGCY TVRDPLDL SV
 LCAAGLGATL GFLWVNAAPA KIFMGDTGSL ALGGLVAGIS VVSRTLLMV IIGALFVIEI
 ASVAIQIGVF KTRGKRVFKM APIHHHFEAL GWAETTVTIR FWLIAIMAVL AGVGVFYSDW
 LHLAEV

> RXA02707 (1-345, translated) 115 residues
 MGELGDDASE AHAELGAELA KYNVQELVAV GENPNCAALA ESAASLGVST HVVSDVDAAL
 ELLAGHIKRD DVVLVKASNA DRLWRVAEAL HGMVPGKNT GGSVNDDSRR NVEGQ

> RXA02708 (1-435, translated) 145 residues
 MAPRTKARVV WFTTDAGQAK KSDYWATSIS LDAVARASFT LNTKDGSWPV TLQVFGEHQV
 ANALAAAAIA MEAGVAPELV VAGLEAHSAA SAHRMDVKTR ADGVTIINDS YNANPDSMRA
 GIAALAYTAS GRSEATKLGS AWPNG

> RXA02709 (1-729, translated) 243 residues
 MTLGEIADIV GGRLTGGAQE DTLVSSSVEF DSRSLTPGGL FLALPGARVD GHDFATAIE
 KGAVAVLAAR EVDVPAIVVP PVKIQESNAD IYAHDPDGHG AAVVEALSRL ARHVVDICVA
 GHQLNVVAIT GSAGKTSTKD FIATVLDQDG PTVAPPGSFN NELGLPHTAL RCTTDTKYL
 AEMSARGIGH IKHLTEIAPP RIAAVLNVGH AHLGEFGSRE NIAQAKGEII EALPSKKTAR
 YQS

> RXA02710 (1-1563, translated) 521 residues
 MATLLDLTK LIDGILKGS QGVPAHAVGE QAIAAIGLDS SSLPTSDAIF AAVPGTRTHG
 AQFAGTDNAA KAVAILTDAE GLEVLNEAGE TRPVIVDDV RAVLGAASSS IYGDPSKDFT
 LIGVTGTSGK TTTSYLLEKG LMEAGHKVGL IGTTGTRIDG EEVPTKLTP EAPTLQALFA
 RMRDHGVTHV VMEVSSHLS LGRVAGSHFD VAAFTNLSQD HLDFHPTMDD YFDAKALFFR
 ADSPLVADKQ VVCVDDSWGQ RMASVAADVQ TVSTLGQEAD FSATDINVS SGAQSFKINA
 PSNQSYQVEL ALPGAFNVAN ATLAFAAAAR VGVDGEAFAR GMSKVAVPGR MERIDEGQDF
 LAVVDYAHKP AAVAVALD TL RTQIDGRLGV VIGAGGDRDS TKRGPMGQLS AQRADLVIVT
 DDNPRSEVPA TIRAAVTAGA QQGASESERP VEVLEIGDRA EAIRVLVEWA QPGDGIVVAG
 KGHEVGQLVA GVTHHFDDRE EVRAALTEKL NNLPLTTEE G

> RXA02711 (1-2112, translated) 704 residues
 VTFPSNGRSR GERAGREDS RRSAYQDES RAARERELTR RSGKAKGVNQ EEGVTYRPKS
 STQGGARKRR VNMVTAIALV IAGVLIIRLG WVQVWGP EL SLNASEQRTR VYVDPARRGS
 IVDREGNQMA YTMQARSLTV SPNIMREELK TGTDLALRLA AEETDPENVA SYVTIEEGNA
 YVFASSEEQRE TILSDKVEER IQSIADRIPE IIKSHDQDVT GISSEEILDK LNADSQYEV
 VRNVDPDVAS EITDEMPSVA ADHQDIRQYP NGAIGENIIG RISMDGEGQF GFEASNDL
 AGNNGRSTQD MSILGQAI PG TLRDQIPAID GASVELTVDL DLQTYVQQAL EQAKANS
 NASAVVLD AK TAEVLAMANT DTINPNEDTG KQIEQGKSFD NPSVTHPFEP GSVAKVITAA
 GVIQEGLTTP DEVLQVPGSI EMAGVSVGDA WD HGVVPYTT AGIFGKSSNV GTLMLAQRLG
 EDKFADYLER FGVGQPTGIE LPSESQGLLP AREQWSGGTF ANLPIQGMS ITTLQ MAGIY
 QALANDGERI QPRIKSVTD SDGTVLEQPE PDKIQVVS AE AARTTVDMFR SVTQVDPTGV
 QQGTAPDASI EGYQISGKTG TAQKVDPNTG AYSNSQWIT FAGIAPADDP RFVVAIMLDE
 PERGVHGGGG QTAAPLFKDI ATWLLNRDNI PLSAATEPII LQAQ

> RXA02713 (1-1011, translated) 337 residues
MEDFSLDGNH GHVPVMRDRM AALIAEHVEA LGENAVIVDA TLGAGGHAEF FLNTFFPKARL
IGLDRDQNAL RDARARLAPF GERFIGVQTR FDGLREVLES VEGDIIDLAR EHGIAGALFD
LGVSSMQLDQ VERGFAYRTD APLDMRMDAT QGITAADILN TYSHGDIARI LKTYGDERFA
GKIASAVLKE REKEPFTTSA RLVELLYDAI PAATRRTGGH PAKRTFQALR VEVNNELDSL
KNVLPQITDA LNVGGRAVFM SYQSHEDKLV KKFFTDLTTS KTPPGLPVDL PGTAPOFKQV
TRGAETASEA EIEENPRAAP VKVRAIERIG NNSGDLS

> RXA02716 (1-561, translated) 187 residues
VSPPIRKLSI PEFTTNTPVL VDIYIAAMNY DKAIRDTRIE VWRNRSQNPG FTAVAALMDD
QVVGVA YGFN GSPDHWQHQ LRRGLRQGG PTEEEIHIIH NYFEVAEVHV QPGFQGHGIG
RKLMEHLLKD KQNTFAILST PEVDDEANHA FSLYRSLGFT DLLRQFRFDG DQRPFAVLIT
ALPLHDS

> RXA02722 (1-1326, translated) 442 residues
MTSPNNYLAK IKVVGVG GGG VNAVNRMIEE GLKGVEFIAV NTDSQALMFS DADV KLDIGR
EATRGLGAGA NPEVGRASAE DHKNEIEETI KGADMVFVTA GEGGGTGTGA APVVAGIAKK
MGALTIGVVT KPFEFEGRRR TRQAEEGIAA LKEVCDTLIV IPNDRLLLELG DANLSIMEAF
RAADEVLHNG VQGITNLITI PGVINVD FAD VRSVMSEAGS ALMGVGSARG DNRVVSATEQ
AINSPILLEAT MDGATGVLLS FAGGSDLGLM EVNAAASMVR ERSDEVDNLI FGTIIDNLI
DEV RVTVIAT GFDAARASAA ENRRAGISAA PAAEPVQQQV PTTNATLPPE KESIFGGARE
ENDPYLSRSA GARHRIETR SGGGLFTTGN DRDYRRDERR EDHRDERRDE RRDDRSYDRR
DDRRDDRRDD RGDDLDPVPSF LQ

> RXA02723 (1-477, translated) 159 residues
DATAAGQNIV ELPWVKSVTV NRALPSTITV ELTEREPAVF IKRADGDHVI DTEGKEIIG
TPPVGTVEVS GADEGNSEVL PAVIAVINAI KAQDAQMTES IQVVEAPDQF DILLKMNDGR
EIIWGSSENN HDKAVAMSTV LKREGQRWNI SSPSMVTVR

> RXA02745 (1-879, translated) 293 residues
AGISFEVPRG QVLALLGPNG AGKTTTIEMC EGFTAPTSGS IRVLGIDPAT EPDQVRRRIG
IMLQGGGSYS GIRVFEMKLK AASYNDNPHD PEWLLDLVGL REQRKTTYRR LSGGQQQRLS
LALALIGRPE IIFLDEPTAG MDAQSRNMVW ELVNDLRRDG VTIVLTTHLM DEAEALADHV
IIVANGQILA SGTPELTAQ RDHLEINVS ETTSPDLDR LVDDLSSLNI GDVKARANRP
LHYSLRTOQA TPDSLHIVQ AVARQNMIR SLDTGHRSL DVFLDITGKE LRS

> RXA02746 (1-267, translated) 89 residues
GVQGMTVTET QGFGQKQHT EVYRGA EYAV DFVPKVKIEV IISDAQEEV INIIVETART
KKGVDGKVWM TNIEELVRVR TGERGEAAL

> RXA02813 (1-642, translated) 214 residues
GALTGGWLVA VD NAARALEA LEFPVSYGGA SGNMTAVHPR GFEIQAKLAE ELGLFDPQWV
WHS DRTPITA IASALATAAG VVRKIAGDVV FYSQTEVGEL REKSPGGSSA MPHKANPAAA
IACDGYARRA PGLLATLFDA LDCRLQRGTG SWHAEWATLR ELAAVTHSAV SRAATSIDGI
TVNVDMASR VNGPTGHAED LAERALEIYG KGRS

> RXA02820 (1-507, translated) 169 residues
ANSAEDLSHD PEAAAYFLDE NGDAKAPGTL LQNPDYAETI RLISEGGPDA FYTGEIAADI
VERATREVDG FTPSLMSTAD LAAYTPETRE ALCAPYRDKI VCGMPSSSG GVTVMETLGI
LNNFDLAQYP PTEVGLDGGL PNAEAVHLIS EAERLAYADR DAYIGDPAF

> RXA02828 (1-558, translated) 186 residues
MKRRDFLSAL SAGTSLGXF APQLLLAQGM NQPMRAPIHV GKSGLRARDA EALATWYQSH
VGLQEIGRDG ATIHMGAGGT VLEITQYDG IVLAPMRVAG LYHNAFLPA RADLARWVLD
ASARQLRIDG YADHLVSEAM YLTDPEGNGV EIYADRPASD WVRNGQVEM DSLQIDFYSM
IATLDG

> RXA02834 (1-495, translated) 165 residues
DSKGRSVDFK NTIIIMTSNI GSQVLENVK DAGEISDDTE KAVMDSLHAY FKPEILNRMD
DIVLFKPLSV NDMSMIVDKI LTQLNMRLLD QHISIEVTEE AKKWLGE EAY EPQFGARPLK
RFVQRQIETP IARMMIKESL PEGTIKVDL NDNKELDFKV VKPTS

> RXA02839 (1-417, translated) 139 residues
 CVVNDYADRK FDGHVKRTAN RPLPSGAVTE KEARALFVVL VLISFLLVLT LNTMTILLSI
 AALALAWVYP FMKRYTHLPQ VVLGAAGFWS IPMAFAAVSE SVPLSCWLMF LANILWAVAY
 DTQYAMVDRD DDVKIGIKS

> RXA02855 (1-1185, translated) 395 residues
 VMEIGVQVAS WMDRRHHDEVI KWRRHLHSHP ELSHMEYRTT EYLASVLKDH GMEPHLFPGT
 GLMVDIGPEG DSRLAFRADI DALPILLESTG LEFSSTATGV AHACGHVHT VIALALACAL
 NTIELPIGIR VIFQPAEEVM TGGATDVIAH GGLDGVDAIY AIHVEPKLV GRVGVRAIAI
 TSASDVIEIR VKGEGGHSAR PHLSADVYA LSKLVVDLP LLSRRVDPRT GTVLVFGTIN
 AGYAPNAIPD SGIVSGTLRT ADISTWRDMR PLISELVEQV LAPTGVTHEL IYNPGVPPVL
 NDDVATALLA SAARDMDTQS VVQAPQSSGG EDFSWYLEHV PGSMARLGCW PGHGPQDLH
 QSDLVVDERA IGVGVRLFGS LVQQYSSRSE AFLNS

> RXA02859 (1-726, translated) 242 residues
 QYTVQQLLHG LLLASGNDA YLLAQELGGD QATLEKVNAL AKELGTQDTF VATYSGLDAP
 GMSTSAYDMS LIYQHAWQNP VFESIISTDH IDFPGWGDNE GFQVWNDNAL FMNDPDGIGG
 KTGYTDDANH TFVGGLDRGG RRLAAVLLDS TVSDIRPWEQ ARLLIDASLP ITPGSGVGQL
 GSGSANDVAP ATPELPEPTD NLTSGEGGSQ NTLKLVPPI GIIVLLLIAA LAWTFRSPKK
 KN

> RXA02895 (1-666, translated) 222 residues
 MAEQLRQFEG RVLPNQSED EDQGLGFDLG TVFSRRKVLG FIGVGGAGVA LAACSPSGSS
 AASSTSSASS SAAATTSAAA ETLTEMKSET AGPYPGDGSN GPDVLEVSGV ERQDITKSID
 SDTVAEGVPL TLTMTILDMN NNNQPMEGAA VYVWHCDAPG RYSMYDSELE DETYLRGVQI
 TDKYGQVTFD TIFPGCYAGR WVHIHFVFP DRDSITDSTN NI

>RXN00045 TRANSLATE of: rxn00045.seq check: 4044 from: 1 to: 909
 MTDPTCTLALDIGATKIAYALVPDNTPTTTLSTGRLGTKEGDSPIEQIRLVLLAGLKAAE
 EHGLSVARIGMGAPGVILGPEGTIVYNGETLTWAGTDLRGLSREVLNVPFAAHNDVRVW
 AYGEHHLGTGKDLTGRLVYVSLGTGVGGAIIEDGIMMSPTGTAGEFAEVVCSDHAGLAV
 RCENVASGTGLTRYNEAAATQLDLPAIMERFHQGDGLAQQIITGNLRGFGQALGALVTV
 LDLSAVVVGGVAGIGAPVMDPITAGIFDRVLTNPKSVQVLSTSLGAQAAVIAAAKYARD
 NAF

>RXN00073 TRANSLATE of: rxn00073.seq check: 5738 from: 1 to: 1683
 MTTTTSARPARAARKPKPEGQWKIDGTEPLNHAEEIKQEEPAFAVKQRVIDIYSKQGF
 SIAPDDIAPRFKWLGIYTQRKQDLGGELTGQLPDELQDEYFMMRVRFDGGLASPERLRA
 VGEISRDIYARSTADFTDRQNIQLHWIRIEDVPAIWEKLETVGLSTMLGCGDVPRVILGSP
 VSGVAAEELIDATPAIDAIRERYLDKEEFHNLPRKFKTAITGNQRQDVTHEIQDVSFVPS
 IHPEFGPGFECFVGGLSTNPMLAQPLGWSIPLDEVPEVWAGVAGIFRDYGFRLRNRRAR
 LKFLVAQWGIEKFREVLETEYLERKLIDGPVVTNPGYRDHIGIHPQKDGKGYLGVKPTV
 GHTTGEQLIAIADVAEKHGITRIRTTAEKELLFLDIERKNLTTVARDLDEIGLYSSPSEF
 RRGIIISCTGLEFCKLAHATTKSRAIELVDELEERLGDLDVPIKIALNGCPNSCARTQVSD
 IGFKGQTVTDADGNRVEGFQVHLGGSMNLDPNFGRKLKGHKVIADEVGEYVTRVVTTHFKE
 QRHEDEHFRDWVQRAAEEDLV

>RXN00136 TRANSLATE of: rxn00136.seq check: 222 from: 1 to: 1095
 MSAVQIFNTVHVNGSSPYDVHIGSGLNELIVQRAAESGAEQVAILHQPSMDDIASELDAA
 LVAAGLKVHLNVPDAENGKSLEVAGQCWDELGGAAFGRRDIVIGLGGGAATDLAGFVAA
 AWMRGVRVIVPTTLLAMVDAAVGGKTGINTAAGKNLVGAFHEPDAVFIDTDRLATLPDA
 EIIAGSAEIIKTGFIADPEILRLYETDPAACLKKEVEGSHLPELIWRSVTVKGSVVGQDL
 KESSLREILNYGHTFAHAVELENFRWRHGNVAVGMMFIANLSHKLGLIDAPLLERHRS
 ILAAIGLPTSIEGGAFFDELYDGMTRDKKNRDNIRFVALTAVGEVTRIEGPSKQDLQASAY
 EAISH

>RXN00177 TRANSLATE of: rxn00177.seq check: 5596 from: 1 to: 1068
 MSLQFDHETLQQRVLFGSGEAAQNLA AEISRLDAKNVMVVAGDFELPMARQVAADIDVKV

RXN00398 TRANSLATE of: rxn00398.seq check: 1161 from: 1 to: 750
 MAKLFDSHFHIIDPQHPLIENNGYLPPEFTVEDYTARVEGLEVAAGAIVSGSFQAFDQGY
 LKDALAVLPGYVGVGTQIPADTSDQEILDLDKAGVKAVRLNLKRGGSSAGLDDLETARRV
 HDLAGWHTELYVDARELDELESTLASLPAVSIHGLHRDGLPALLRLVENGIVKATGF
 GRVELDPTVLIQAIMAVDPTALMIGTDLPSTRTRKPFEDADLDLIAETVGEDHVDNVFWN
 NAAAFYLGDDQ

>RXN00434 TRANSLATE of: rxn00434.seq check: 6086 from: 1 to: 867
 VLVKVKPAGVNRADLLQTQGNYPVPAGASEILGLECAGVIVNAGDTGQTVGQEVACLLTG
 GGYAQYVAVPEGQLMPIPEGYSFVEAASIVEVACTVWSNIGMLAGLQKEDTFLIHGGAGG
 IGTFAIQMKGALGVTVAVTAGSTEKLKTKCNLGDILINYKEEDFAEVLKKNKADVILDII
 GAKYLSQNVKAMAKDAHMVVIGMQGGVKGELNLGHLAKRGITISATALRGRDEADKARIV
 SSTVENIWPLLQSKEITPHIDHTLPLAEAAAALQKIQDGTITGKLVLA

>RXN00470 TRANSLATE of: rxn00470.seq check: 9539 from: 1 to: 1269
 MGESPEKVAFRVFPDGLVSQGHDMIEDMSNTAPYTPQAGQAVPLYPTFTRSRDGRVVA
 GVASGLAKHLNVSFVWRALLIFAALLSGAGLFAYALIWIIFTRIEKKSGEASTSKRWVS
 WCLVLLAIGGAAASVMLSTGFAVGTLPVIGVVGVLMLVWLAIDRGVESGPNLLIIATGG
 VLMLVAIVLIVMNWNTQDGFVMAVAVVLTIVGVAALGVPLWVRMWDQLGEERAEEKAAAA
 ERADIASRLHDSVLQTLALIQKRADDPAEVARLARGQERELRQWLFDSQDKTPQTTGTVF
 TALERACGEVEDIYALRIVPVTGTDEALTEKTQAAVMAREALNVAKHAGVETADVYA
 EIMLGELNIFVRDRGAGFDPDNI PDGHHGLAESVQGRVERAGGKVRKSEIGEGTEVAIT
 MDV

>RXN00499 TRANSLATE of: rxn00499.seq check: 1415 from: 1 to: 1281
 VVGVVSTPARNLGSMKTGLSLQLEEITLTLPLTEDVADERTIDVFARIATRVGGEDLPY
 LVFLQGGPGNEAPRPSLNPLNPNWLGVALEERYVVMVDQRGTGRSTPVGNDILEKPTAEV
 VEYLSHLRADGIVRDAEALRKHGLGVNQWNLGQSFGGFTTLHYLSRHADSLDNVFIITGGL
 SAIDRPAEDVYANCYNRMRRNSEEFYRRFPQLRETFRGLVNRARAGEIVLPTGEVVSETR
 LRSGLHLLGSNDGWFDLYNLLELDPTSNAFVHDLAGLLPFGNRNPIYYVLHESSYADGVV
 TNWAAERVLPEDFREDPTLLTGEHVFQEWTDTPVSLKPWKDVALALAQEWPKLYDAKAL
 ENSQAKGAAAVYANDVFVPVDYSLETAQHLPVGVQLFITSQHEHNGLRASSGAVLKHLFDL
 AHGREVR

>RXN00513 TRANSLATE of: rxn00513.seq check: 4398 from: 1 to: 921
 MAGLFSSAVAPTERRKALRAALAAPEIARMPGAFSPLAARAIQEAGFEGVYVSGAVVAAD
 LALPDIGLTTLTEVAHRSRQIARVTDLPVLVDADTGFGPEMSAARTVSELEDAGVAGCHL
 EDQVNPKRCHLDGKEVVGTDIMVRRIAAANERRDEQFVICARTDAAGVEGIDSAIERA
 KAYADAGADMIFTEALYSPADFEKFRAAVDIPLLANMTEFGKTELLPAQLLEDIGYNAVI
 YPVTLLRIAMGQVEQALGDIANTGIQTDWVDRMQHRSRLYELLRYNEYNAFDQQVFTYSA
 DSYKPIF

>RXN00531 TRANSLATE of: rxn00531.seq check: 3085 from: 1 to: 495
 MANYTVPGINENDAKQLIDGLQERLTDYNDLHLILKHVHWNVTGPNFIAVHEMLDPQVDL
 VRGYADEVAERIFTLGGAPVGTPEGHVADRTPLQYERNAGNVQAHLTDLNRVYTQVLTGV
 RESMASAGFVDPVTEDIYISQAAELEKFQWFIRAHIVDVGNIQE

>RXN00549 TRANSLATE of: rxn00549.seq check: 5535 from: 1 to: 1674
 MVFMGAYIMVDVPEPEELVSPQVSQIYASDGETELARIVPPEGNRQMVTIDQVPDTPVKN
 VVAAEDREFYTNPGFSITGYARAALGVITGDSSAGGGSTITQQYVKKAVVGDERSLIRKA
 KELVYSAKMANEWSKDEVLEAYLNTVYFGRNAYGVQAAAHAFDVKPVEELTAAEGAVLAA
 SIQLPSQLDPWTPVEAETRWNVYMDGLVEIGAISAEERAVATYPETTDPASNSAYTEAT
 GTNGLIKNQVMAELSELGITEDDVQTCGLQVTTTTIDPKTQEGAVEAVQNQLDLSENRA
 AVVSIDPSNGAVRAYYGGENATGWDFANAPLOTGSTFKIFGLAAALQQGIPLSQPYSSAP
 VTVGDAQIGNVGGSGCGSCSIEQALLHSYNTSFIRLQQDLENGSQDTADMAHALGIAKSL
 PTIPETLTENGETPYEGIIILGQYESRPLDMASAMATIANEGVWHRPHFVSKVETVSGEVL
 YEFEDGDGERRVSEKVALNLLKAMGPIAAYSNGNALADGQVSASKTGTTQLGDTGANKDA
 WMLGAAPQLATAVWVGTA

>RXN00621 TRANSLATE of: rxn00621.seq check: 1431 from: 1 to: 783
MSERLNAPQAPIHPITRTHHGIDFVDNYEWLDRDKESQETLDYLEAENAFKQETEQLATL
RDNIYEEIKSRVKETDMSIPVRAGKHWYYSRTEEGKSYGYSCRIPVTEGSDAWTPPVIPE
GEPAQGETIIMDANELAEGHEFFSMGASSVTTSGRYLAYSTDVTEGERFTLRKIDLETGE
LLPDTLTGIFYGATWVGEEYLFYQRVDDAWRPDTVWRHKVGTPEEDVLVYHEPDERYST
WVGTTTRSEKVPFWLRLQDHL

>RXN00639 TRANSLATE of: rxn00639.seq check: 1844 from: 1 to: 855
MTSAEQIVDPPTAHDSGNKATDKFKANRVSSDTSKERANAIYVDLLAAIAQVAHKHEVTYE
EYAVLKQWMI DVGEYGEWPLWLDVFVEHEIEEINYNRHDYTGTKGSIEGPYYVENS PKLP
WDAEMPMRDKDRAC TPLIFEGQVTDLDGNGLDGA EVELWHADEADGGYSQFAPG IPEWNLR
GTIVTDEEGRYKI KTLQPA PYQI PHDGP TGFW FIESYGGHPFAHLHLRVSHPGYRTITT
OLYFEGGEWVENDVATAVKPELVLP LHPETG DGNHNVHPFVLDKED

>RXN00658 TRANSLATE of: rxn00658.seq check: 6023 from: 1 to: 693
VRHDEHYPAAANLIAFDKGWSTLIAPQLEDPEAEFEFTAGFLTEYQDNLTITAGMEHQALAS
GFPVGRRFKSDIALRRCDNAVTTTHIGHEHSADGHWRIYVFAGQVATPQDSESA LNKWAQWME
ESEDSP LNRFTPEAGDRDAVFDIKATYQQHYHSQFLDLFADEQVFFPRVGPYKLQNLNVWT
ALDSODIFESRGISRDGAIVVVRPDQYVA AVLPLEDTAALAEFFNGNLLP

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>RXN00665 TRANSLATE of: rxn00665.seq check: 1137 from: 1 to: 501
MSSSTLLLASGQVTLAADYTLSTPSDGILVVLGFAMILTFMTLIMLGRLLTPMVAMLLV
PTIFGLIAGAGLGLGDMALDAIKDMAPTAALLMFAMFFGIMIDVGLFDPLIRVITRVLH
DDPAKVVIGTAVLAGVVSLLDGDGSTTFIITTFRDA AHL PAPWHEPCG

>RXN00675 TRANSLATE of: rxn00675.seq check: 9322 from: 1 to: 792
MGFRSKKKVIAAKTAAELDAMQAAGEIVGKALQAVRAEAKAGMSTWDLQIAEQVIRDAG
AVPTFLGYQGFPASVCASVNEVIVHGI PSKETILEEGDLVSIDCGATFDGWVGDSAWSFG
IGELDEDVQGLNLATEWVLMEGMKAMVPGNRLTDVSHALEVATRKAESKFGVALGIVDGY
GGHGIGRHMHEEPYLANEGKAGKGPVIEGGSVLAIEPMLTLGTEDSAVLEDDWTVVTLDG
SWASHWEHTVAATKGGPRILTPRY

>RXN00689 TRANSLATE of: rxn00689.seq check: 7633 from: 1 to: 1491
MNAATRRASLQLPYTHVDDFYINGSWVKAEGTQRNPVVDPAVGQEWGSVPEATASELDSA
VGAARTALKSWSALTGAERTGYLLKIATEIESRSEALALNTRENGSPISETRGAASNAA
GIFRYFATLAPWLDGEDIRPFPAGSAESIVDKDPIGV CALIAPWNFPINLVVIK LAPALL
AGCTV I IKPASPTPLSIRFIIIEAIEAAGVPAGVVNLLTGSGRFGDALVRHPGV D KVAFTG
STPVGKKIAAACGELLRPV TLELGGKSSAIILPDADMSVLSTR LIRSCMRNTGQTCYIST
RIIAPSSRYAEVVQTVASTIAAGRQGD PYDEETVFGPVASASQYSTVMSYIDSAREEGAR
VVAGGTRSISLSEGLSEGEFIQPTVFADVTPDMRISREEIFGPVISILKYDDTNGVSEAI
ALANNTKFGGLGVFGADEEQALEVARQVDSGSGVINFFGSNHSAPFGGRHESGMGVEYEG
IEGLSAYLTYKSIHRTI

>RXN00778 TRANSLATE of: rxn00778.seq check: 6349 from: 1 to: 1125
VNLTLKRSIALVGAVTAGSFALVACSDSNESDSTSSSAASTGSSDAASIEGLSGVTGQLV
AEGASSQQSAMDYFGIRYSEAVSGASLAYTPSGSGSGRTNFAAGQVAFGGSDSAMKDDQA
AEAEARCNGNEAWHLPFVIGPVAVAYNLPGVDTLNLDTNIIAQIFKGEITKNWDEAIASQ
NEGTDLPDQDISVLRYSEESGTS DN FQKFLGASTDIWETEGQQFPTEVGSGAQGSNGVAS
EASNIEGAITYVEAGFANQSG LGVANIDFGSGPVELNAESVGVALGALD FLTEGHNMVVD
TDAMFAMNEAGAYPLILTTYEIVCSAGYDETT RDQVKDFLTVALDSQDDQLEALGYIPVT
GEHYDRLVAAVEAIQ

>RXN00787 TRANSLATE of: rxn00787.seq check: 6866 from: 1 to: 1902
VSQPLSKRLSIRKALASAFIVALAFSLSPVAKAQANETPTMIVLDNSGSM TAQDAGGQTR
IDAAKQASTQLINDISDRTDVGLTYYGNTGETEADVEMGCQDV TILGGPSRGNADTLID
TINSLQPRGFTPIGKALTDTAELPEGGNIVLVSDGIANCTPPDVCEVAQELAQSGINLV
INTIGLNVDPAAREELECIAGVGGGTYADASDAQSLTDALTRAASRQYNSYTS DVT KIDG
ASEQSAAVEIDEDTELFLTDLPQESRFWKIPVEPGETISVSANTVTDPTVLTMGQGGIKL
EAQLHTEEAPQYGLRGCTRVSFDNFKPGLGVRGIQNASVASKEVGTNNCDTDAIYLEIS
RSGDYLNQDIPTEITIERFGKVDESTIGNVTEEHSSVDLTEAAASEAHPVTPGQWFTSA
ADLDPAGEKVSSIIVPGETHFYALPVDYQOELRAAVETTFDQIDSSALGTHLYIQAFSPN
RAEIELTNRDTSYADDNGLKTFGFFT PVSAANLF EKSSQGISLRSPWQGGTQYLA VTYLP
SGQDEDVSATDQLPTLEYELVAEAFGDPVDPVFASLTGATPSTSTPPSDVAEDEQISEA
TEEDSSSFPIVWIGLVIGLGIIIGLIFALRRKN

>RXN00818 TRANSLATE of: rxn00818.seq check: 6962 from: 1 to: 840
VKHPDPAQKVEGTTATPTPKVAFFDLDKTIIAMSSTYAYGREFMNSGLISPVEALQLSL
AQATYMFAGHTSEQMDNTRDQLTAMIRGWEVQQVRSIAEETMHSVVTPTIYAEARELIEH
HQELGHDVIIISASVKELVEPIARELG VHKT VTTVLEAHDGMYTGEVLFYCKGDAKAQSI
LDLAEANNYDLSLSFAYSDFSFTDLPMLEAVGNPAAVNPDRALKKIALEQGWKILSFKNPE
PLFQMPSTRDVGIGTG VVAGIAAVTAGSIWMMKRARRGSA

>RXN00820 TRANSLATE of: rxn00820.seq check: 6937 from: 1 to: 363
VNTLADATDDQQWIHTDPERAKDGPFGGAIAHGFLTLSMIIPFWGELL DVTGVTTKVNYG

LDKVRFTSPVKVGSRIRMGAVVREISEVKGNGLHLVADGTIEIEGQERPAVVATFLTRFY
A

>RXN00866 TRANSLATE of: rxn00866.seq check: 4209 from: 1 to: 966
MNDNRNRGRKVRKAGPPEAGQENHLDTVPVQAPDASSNQSAVKAETAGNDNRDAAQGAQ
GSQDSQGSQNAQGSQNRRESGNNNRNRNRRGGRGRRGSGNANEGANNNSGNQNRQGGN
RGNRGGGRRNVVKSMQGADLTQRLPEPPKAPANGLRIYALGGISEIGRNMTVFEYNNRLL
IVDCGVLFPSGEPGVDLILPDFGPIEDHLHRVDALVVTHGHEDHIGAI PWLLKLRNDIP
ILASRFTLALIAAKCKEHRQRPKLIIEVNEQSNEDRGPFNIRFWAVNHSIPDCLGLAIKTP
AGLVIHTGDIKLDQTPPDGRPT

>RXN00877 TRANSLATE of: rxn00877.seq check: 565 from: 1 to: 1665
MTVEHLLKPSTLPYQLPDFAAIKVADFPPAFELALAEHDAEITAIATNEDAPTWENTIEA
LERAGLSLNRVAFFNLQGTDSPEMDEIAATIAPKLSAHSDAIFHNAALFARIEAVEA
PADEESQRLLSHTKRAFRRRGAALNADGKARLSTINQRLSALSEQFGRNLLQDTRDLAVN
FEESELAGFSEARI SAAADYAAAVGTEGYVVPLELPTVQSEQAVLTESASRAKLYEASQK
RGASLNKDVLLTETVRLRAERATLLGYDTHADYVIEEETADDVA AVRALLYDLAPAASANA
KAEEKLSAEAEAEHGGQKVGAAADWSFWEAKVRARDYALDETEL RNYFPLNQVLRDGVFFAA
NRLYGITVEPRPDLRGYAEGVDVWEVLDSGSGIGLILTDYYGRPSKRGGAWMSSFFVDQS
ELLGTPKPVVNVNMGITKPTTGEALLSLDEVTTIFHEFGHGLHGLLSKVRYPSFSGTSVPR
DYVEFPSQINENWAFDPAVVRNYARHVDTGDIIPDSLLEAVEACGISDRVVEHVSTCPHL
LSTCPVSPCPQRMPI

>RXN00905 TRANSLATE of: rxn00905.seq check: 8965 from: 1 to: 801
MTQFENAQVLKENIENQREQIFTQLKEIVSFNSVHSDPNLLEDYAGAKEWVKETLTNAGL
TVSEFAAEDGTTNFIGTRKSGEAPKVLVYSHFDVVPSPGLDLWDTNPFELTERDAGHGT
RWYGRGAADCKGNLVMHLAALRAVEASGDTTLNLTYYVEGSEEMGGGALSALIKDKPELF
DADVILIADSGNASVGTPTLTTLTRGGGQVTVTVDTELEGAVHSGQNGGAAPDAVAALVRV
LDTLRDEHGRTVIDGCQHHRKLEGRAL

>RXN00948 TRANSLATE of: rxn00948.seq check: 5347 from: 1 to: 1119
MANVVLVDRMEPLVSKLFTPIQIRDITIPNRVWMSMCTYSAATGSGPLTFDFHQAHYAAR
AAGGVGLVMVEATGVNVPVAPISPVDLGLWSHDQIEPFSRVTAAIRAGGAVPAVQLAHAGR
KASTDAPWNGGGYVGPETNGWETVGPSPPLAFPGLPAPRELTVSEIQEVVQQFAGAAVRAD
QAGFDVVEIHAAHGYYLLHNFLSPISNKRRTDSYGGSLNRRARIVLEVIDAIRAVWPEEKPV
FMRISTTDWVEENPQDDRESWTLSQSRQLALWASEHGVDLIDASSGGLDIVPIPHDRDYQ
TAKAADLHASTGVTVAAGRIDDAQTAHNLVDSGDVNAVFLGRPLLKDPWANQAALALG
AEPYVHQYDYVL

>RXN00982 TRANSLATE of: rxn00982.seq check: 8201 from: 1 to: 1506
MPTAAQENIRWEECPQVDIASAQCGSIDVPMHYSDPSLGDISVGFVKVPAQGEKHGTI
FGNSGGPGGDAYSFFGSQSMNWPEAMYQNYDLVAVQPRGMVGSTPVNCDNIAPGYDFLSL
LTREGAFVKESCEIGTPGYTSSLTTDNTANDWERVRQALGDDKISIFGLSYGTYLGSVYA
TRYPOHTDKVVLDSAMAPSLAWNGIMASQEQGYKNSLNDFFTWVAENNDTYGLGTTPLAV
YQNSNKNIVAETGTNPTVAPPPAQVGDVPPAFAWAGQAGADMMTATNPTSVQLQGLATQL
LNPGSNQSLSPLLNVTRAYIQPSTWPLMAGAI SGQTPIDVTDTGDDPYVIESINASVN
MQRMVMCNENTVAPDPVAMARMAWTSMTVGDVFDIYSVKFSSGQACSGITPTSGRQPTDG
SQLAVQPLLLQGTSDPQTPYWTHNELADAMNAHVTVNGPGHGGQSIGGTNQAINDIVVDY
LRTGHTDATWVEGNTPTPITAG

>RXN00983 TRANSLATE of: rxn00983.seq check: 4228 from: 1 to: 1476
VTAGETTTMNVTLTNPFDAIFDRAVSLERPEGWQAEDVRVSI PSGESVTIPVQVTAPLV
ADNGELPVEVSILDGADRYTGRNLTVQGGQEPAPTSVKVSI PNKLDYVAGEKISINFA
VNNPFDVTVNSVPSLGEENWMPANLRGFDPEQGT PNCRYKNLGANKSYDCTTTTTEVSD
LDVERGYVDIPTVWTF TNSAGETVWSKNVDVPRVELNGTQDAVTD AIVTVDPINPVHNSG

QSQTVEVQANVTSEGDLPAGSKVAFYLDSSPIDTAAVDAEGHASISIDVDNIASEQPERT
FEVRARLVVPEDAPRSIARDALARFTVLSEQVQNSLVIMNHPDVFSQGQTKTIVIAAKA
TAHDGSPVAIGTLIAFRVNGIERDVVPTNAQGTAKLQDLKPVNTEDEEYEVTVAEELDE
LTAQTTFFKVLAGEEEEEPTSTEEQPSETEQPSPEEEEEESTGVAGSSNGGSFVALLALLAALG
GIVGAVLGLLKL

>RXN01014 TRANSLATE of: rxn01014.seq check: 9151 from: 1 to: 2601
LTSTNLTRQEASDRSRLLSVENYDIALDLNNGDEFFSSSTVVSFTVRKAGDTFIDLRAAS
VEEVRLDNVSIKDEALTGKNGYDETFGIALKGLTPGAHTLRVTASIPYSRTGEGLRHMV
DPADNEVYLYTQFETADAKRMFACFDQPDCLKATYDLNIKTPKGWKIISNSEQQVSTQHTD
YDTHISRVDYPLSTYLIACAGRYHEVCVWKGTLTHHAETPADQPTLTVPLALYCRSS
LAKDLDAVRLFTETKQGFWDYHRNFGVAYPFGKYDQIFVPEFNAGAMENAGAVTIRDEYV
FASKATRYRYERRAETILHELAMWFGVLVTMQWDDLLWLNESFATWSAAISQAEETYN
TAWVTFANVEKSWAYQQDQLPSTHPVFSGDYDIETVDQNFQDITYAKGASVLKQLQAYVG
REEFLAGVRRHFANHAWGNASFDLLGALQSSGRDLSWANQWLKTTGINTLGAKFTTD
NGKYTSFSVTQTGAAPGAGELRTHRIAVGLYKLVGSLNRYARVELDCSGASTSVEEIVG
LEQADFVLVNDLTYALLDLDDSRNFVIDNIDKFSMPRTLWWSAAWEMTRAGQMK
RDFIALVARGAAETEIAVLERILAQATSALKSYADPAWAEATGNDLLADAFLEGARSAE
PDSDTQLAFIQALAKATLNDAAADYFRDILAGNVEGLTVDPDLRWALTALIARGDIEAV
EDAIAAELSRDNSSASFLASLRAGAAVNTTEEVKAAAYKHVTAVDSGLSNLELRHKIEGLT
FTGSSELLQAYNEQYFEILDDVWANFSGEMAQQIVLGLFPSWNVSEGLKRTDEFDGEH
VAGIKRIVSESLDR TARALRNRAADAA

>RXN01046 TRANSLATE of: rxn01046.seq check: 5893 from: 1 to: 1779
MIPFPGPQQQSAPNDETRFIDLNERHKDDPALFRDDVIDQTLAILISKKNPNALLVGP
AGTGKSRIAEDIARRLANDDVSIPDQLVGHRIILDVSI AELVAGAGVVGQLKKRILDLIKY
ATDPSNKKVIFIDEIHQIAGDQSSHSGSQAKVAQILKPYLARGDLRVIGATTTQEARDFD
HDPALKRRFSRVNVDEFDRDQTLTILHAARDGYLKHFNNAVTVSDDVLGYVYTYSQQFNP
GNTAQPDAAALTLFDKALASLTMEKQRLINNHVIAPSLKFPVSEHNTARKLAFGSQVP
ASINTDDARDKLETFLGQDHIEPVLTAKREQLGIFPRTKPLSWVFAGSSGVGKTEMAR
ILSRAINGGDPPIINGPEYISPEITGLIGSSDGYIGSNSKRAKPLDPLISNPRQVIVLD
EFEKSHPHFQQLFMAALDTGTAMANGTTLNFSQAI IATNAARDKIGRDSFGFSDNS
GVLGSAQAATDPRAQERLKSLSKDFLLNCSTVSRISLPSTALMQAPTVRFWTISTSVAV
TPCCLATPHYAAQIPADIDS DTLQLVETTFISDFGARPAARTIEDHIASLLM

>RXN01120 TRANSLATE of: rxn01120.seq check: 6283 from: 1 to: 1278
MARMQESADLLKCSFCGKSQKQVKKLIAGGAVYICDECIELCNEIIEEELGQAQHDEQER
NELPKPSEISAFLDYVIGQDPAKRILSVAVYNHYKRLRASETIGRRRNDEPETELVKS
ILMLGPTGSGKTFLAQTLAKLLDVPFAIADATSLTEAGYVGEDVENILLKLLQAADFVE
RAQRGIIYIDEVDKISRKSENPSITRDVSGEGVQQALLKILEGTVAAI PPQGRKHPNQD
FIQLDTTNILFIVAGAFSGLEKVIADRNGKKGLGFGVEVSSKKEEANIVDIFKDVLPEDL
VKFGLIPEFIGRLPVVATVSNLDQKSLVKVLTEPRNSLVKQYRRLFEMDDAVLTFTDDAL
EEIANQALERKTGARGLRAIMEEILVPIMYDLPDRKDVGEVIINGAVARGEAEPEMLEAV
AEEKTA

>RXN01145 TRANSLATE of: rxn01145.seq check: 748 from: 1 to: 1014
MAIELLYDADADLSLIQGRKVAIVGYGSQGHASQNLRD SGVEVVIGLREGSKSAEKAKE
AGFEVKTAEAAAWADVIMLLAPDTSQAEIFTNDIEPNLNAGDALLFGHGLNIHFDLIKP
ADDIIVGMVAPKGPGLVRRQFVDGKGVPCLIADVQDPTGTAAQALTSYAAAIGGARAGV
IPTTFAETVTDLFGEQAVLCGGTEELVKVGFEVLTEAGYEPEMAYFEVLHELKLIVDLM
FEGGISNMNYSVSDTA EFGGYLSGPRVIDADTKSRMKDILTIDQDGTFTKR LIANVENGN
TELEGLRASYNNHPIEETGAKLRDLMSWVKVDARAETA

>RXN01152 TRANSLATE of: rxn01152.seq check: 1196 from: 1 to: 834
MPYSGPFQAGDRVQLTDAKRRHFTIILEPGTTYHTRGQIAHDDIIGADEGTVVHSTMG
DYLCFRHLMDVHVLMPRGAAVIYPKDSAQILVEGDIFFGARVLEAGAGSGALSMALLRA

VGEKGNVISYEIREDHLEYAVSNVEEYFGERPATWDPRLGDLKEVTVEDLGGPVDRIILD
MLEPWEMLETCKDLLIPGGVFMTYVATVPQLMKVMEGIREQKCFTEPRAWESLVRDWKVE
GLATRPEHRMNAHTAFLVLTRRLADGVEPPRPQRKARR

>RXN01166 TRANSLATE of: rxn01166.seq check: 5407 from: 1 to: 1305
MGYTNLNDTRVLRAAGSCDAWRTMSPLVQQGSEAVFRRIMGLSRRPDRKPGFDDVPHFGA
AVRVPGLKHGTLVNAAPLKVLGARGEPNPASSYRFEYITGDSAGRAITATGAVLFSTRPW
TTGPRPAIAMAPSTQGVAQHCDPSHTCAIGLNAFYDKPFDAAIAYELPVILWFLAHGLDV
VFIDYPRDPATGVQYYCDSIAAAKSLDDAVLASRQLGLSPEAPLGLWGFSQGGGATGWAA
QLQDYAPDVRPKAAVVGAPPVDLFRVLDTVDGGLLTGVIAYAIAGLAVNSSEMFEIIMSV
LNERGVSDVLKNITSCAGGSLASGYSSSRGWTHQGTPLADILDDLPLVVAEFGKQKLG
VAPEIPVLLWGSKNDDVIPIDPIRELRLDSWADKGTPLTWESQAPRVPGRGTGLNHFGPYF
RNLEKYSGLIDHLV

>RXN01181 TRANSLATE of: rxn01181.seq check: 3409 from: 1 to: 957
SVLLARDLVNTPSSHLYPESYSVIASNEASKHGLQTTILDEKQLADQGGGILAVNGSS
RKPRLLRIDWKPRKAKKSIALVKGKITFDGTGGISIKPGASMENMISDMGGSASVLATIIA
AARLNLSINVFAFLPMAENMPSGDAFRPGDVITHFGGITSEILNTDAEGRILADAIAYA
SEDKPDYLIDAAATLTGAQLVALGLRTSGVMGTDEFDRDSVAKTGREVGEQAWAMPLPEELD
EQKSPVADLRNVNTRFAGMSAAGRYLQEFVGADIEWAHVADIAGPAYNTAGEFGYTPKR
ATGQPVRTFVQVLKDLSES

>RXN01226 TRANSLATE of: rxn01226.seq check: 8697 from: 1 to: 540
MGDVNNSPLLVLVGLGNPGPKYVGTNRHNGFEVAAELVSRSGFSFVHKRSNTDIAQLPGL
IVAKPRSFMNLSGTPIRALCDFFKISPANVIVVHDELELDFGSKLRQGGGDHGHNLKS
TSKSLGTDYWKLSMIGRPPGRMDPASFVLKPFKGQELADIPIMAADAADLVEKHLQQG

>RXN01267 TRANSLATE of: rxn01267.seq check: 8891 from: 1 to: 1314
MYAEINGGFIPEGTVRVSGAKNSATRLLAAALLTDEVVHLGNFPTKLVDVEHKIRFIEEL
GGKVHVDHDEQILVVDADKDLAAREMTTDELNIPIRTTYLLAAQIGRGEIARVPFPGGCA
IGGGPAGGRGYDLHLMVWEQLGCKILEKDDHIEVTAPQGFIGGVIDFPISTVGGTENALL
CASIASGDTKIANAYITPEITDLIELLRMGAEITVYGTSTRIHVKGAGLLQGAYMDVMP
DRIEALTWIVYGIISGGRTVEGVFSSMEVPFIHLEKAGVDLFRNSSSVYITPECLPSG
SVQPFELACGTHPGVISDMQALFVLLGLKGAGTSRVYDYPRIAFVEELTNLVSGDKL
SAEAGKITIQQDATFRPGYANSTDLRGSMVAVLAALCADGKSTINNVHMLRGYNELDKK
LRLLGADLTIREGEVPS

>RXN01277 TRANSLATE of: rxn01277.seq check: 992 from: 1 to: 2004
MTDYTFLEDIDTPEALAWAEKWSGESVEKLKSPAKDALEARLLAALDIDDRIAYVSRRGE
KLYNFWRDAQHPRGVWRTTTLESYESDQPEWDVLIDVDALAEDEGENWVWKGAVVRSPEF
DRALVKFSRGADATVIREFDLATAAFVDDSPFELKEAKSDVTWVDLDTLLVGTDTGEGS
LTDGYPARVLTWKRGTPLEQAELFFEGSRQDVATHAWRDSTPGFERTFVSRSLDFYNSE
TSLETEGGLVKLDVPTDCDVIVKKQWIFVSPRTDFAGIPAGGLGVLLLKEFLEGGGRDFQP
VFTPTTESTSLQGLATTKNFLVLTLNNVSTEIVTVPLNDPTTEHEHIDLPEHVTAHVVAT
SPLDGDEIIVVQAASFTEAPTLLRAELPGALEAVKKAPLQFENAGQETRQHWATSADGTKI
PYFITGAFEEEPQNTLVHAYGGFEVSLTPSHSPTRGIAWLEKGYFVEANLRGGGEFGPE
WHSQATKLNRMKVWEDHRAVLADLVERGYATPEQIAIRGGSNGGLTSGALTQYPEAFGA
AVVQVPLADMLRYHTWSAGASWMAEYGNPDDPEERAVIEQYSPVQAVVGVEKRIYPPALV
TTSTRDDRVPAPAHARLFAQALLDAGQAVDYENTEGGHAGAADNKQTAFFVESLIYTWIEK
TLDQQGSI

>RXN01302 TRANSLATE of: rxn01302.seq check: 612 from: 1 to: 453
MTTTTSSGKSSEKINPLFKLGSFLRKGTVGSEGGQIFLQGGQADVRYNRWAFDKVVRS
THGVNCTGSCSWKVYVKDGVITWESQAVDYPTTGADMPDNEPRGCPRGASFWSYTPSTR

IRYPYIGGVLVDMSAKPRNAWAIRCWRGATL

>RXN01308 TRANSLATE of: rxn01308.seq check: 3036 from: 1 to: 2403
 VLAWRDIVETPEKRKAYVSQRGKGLIRVQYEEAMEIAAAAHVYTIRQYGPDRIHGFTVI
 PAMSQVSYGAGTRFLQMIGGVALSFYDWYADLPPASPQTFGDQTDVPESGDWYNSSYLMM
 WGSNIPVTRTPDSHFMEARYKGTKVVVVSPDFADSTKFADEWARIHPGTDGALAFAMGH
 VILKEFHVDKKTPTYFMDYMRKYTDSFPLVELDEHGDGTYTPGKFLTADRAADISPALAAT
 PNATHRLLVLQKDGSSVDPGGTVADRWGEEGMGKWNLRLLDGVDPVMTIADVQTDTETAEV
 LFFRFDLPATATQEGPIGAGTISRGVPTITLNGRKYTTVFDVLLAHYGVNREELNLPGEW
 PKDFQDPVMGTPAWQEELTGVPANQAIRLGRFAQNADDSKGRSQIIMGAGVNHYFHADS
 IYRTFLALTSMSGTQGVNGGGWAHYVGQEKLRPMNGWAQYAFATDWQRPPRQMITTGFYY
 LTTDQWRYDNTRANRLASPLANRGTVGDKMTADTLVESMKRGWMPSPFPQFNRPILLSQE
 AEEKGVSVSDHIVQQLTDGDLQFACEDPDAPENWPRIILLNWRNTNLMGSSAKGTEFFLRHM
 LGVDSASAEENAPEDRPSSIVWRDEAPEGKLDLMLTTDFRNTSTTLVSDIVLPAATWYE
 KHDLTSTDMHPFIHSFNAAINPPWETRTRDWEVFDLTKEFSSQAATWLGTTQTDVITAPIA
 HDSPDELNMPGGIVPDIDEVGLIPGKTMAKIIPVERDYSKVYEKWLHLGPLTAKAGTGTH
 GTFNVTKQTEELALINGTSI

>RXN01309 TRANSLATE of: rxn01309.seq check: 2947 from: 1 to: 801
 IADHEGTHINWDMVKERSAEVITSPEWTGSKKDGRRYTAFSINIEYDKPWHTLSGRMHYY
 LDHDFWIDYGEQLPIFRPPLDKIHINGEVGPGQSVTGTGDEPEVTVRYLTTHNKWSIHSQ
 YYDNLHVLSISRGGQVIWMSNKDAEKLGIADNDWIEAYNRNGVVSARAIVSHRIPEGTVF
 MNHAQERTAGTPLNEKSGRRGGTHNSLTRIMIKPVHVAGGYGHLTYGFNYIGQPEITAMR
 SPEFVAAPRRCTNEGHGSDRNDHEL

>RXN01386 TRANSLATE of: rxn01386.seq check: 2161 from: 1 to: 930
 MWEHGNARALLPLDIRTIDDRPMQASETNLHLPMSRMASVFGTSQFVERSESFISENPTG
 VVAIFFATEGEAVFFHRGGHVALRPGQAIQVYDADRPELGRFNNRFRELVLTIQRYLEI
 VGSKGPELPAIFEFGATGTANEQALARLQVQESLHRIESGEPKHIDSSGPLGKPWSDIEHE
 AHGLIRNVLGDATSSEGLISAAQRFIDINISESDLQASRIAAVGISERQLSRIFS DSG
 QTIGRYVLNTRLDFAKEALSTPERDKVSVSEIGKRFGFASPSHFSRTFRERFEMTPLQWR
 KESQRQSFQE

>RXN01461 TRANSLATE of: rxn01461.seq check: 3776 from: 1 to: 612
 MIDTGKNGEFRIEQSNIIDQNEAEFGITPSQTVGPYVHIGLTLEGAEHLVEPGSEGAVSF
 TVSATDGNQDPIADAMFELWQADPEGIHNSDLPNRTAPATADGFRGLGRAMANAQGEAT
 FTTLVPGAFADAEAPHFKVGVFARGMLERLYTRAYLPDADLSTDPVLAVVPADRRDLLVAQ
 KTDDGFRFDITVQAEDNETPFFGL

>RXN01466 TRANSLATE of: rxn01466.seq check: 3249 from: 1 to: 960
 MTPNGRRQLLLERGAAFSKNRTPLGLKHVDRHTIVDSDGLSIHTYMVGHAENATATVVFH
 GFTLAAEVYMQVDYLQTFYPNIKSVLIDARGHGATGQIRPELCTIEGTANDVLAAIHEH
 APTGFLILVGHSLGGLTALNLVKRADHSLRKRIVGMVLVATSIESLSTQGLPQVLASPLA
 DNIKNAVEAAPNDAQKFRQYATTFLAPTLATAVFORDTNDEVIDFHAAMIHETPLDTFVG
 FFDDLQEHDELDAAPALEGLKGYVLGELDDVTPISQADRICEVWPGARLQIAEGAGHML
 PLEAPGILNNAIGNILDGLG

>RXN01499 TRANSLATE of: rxn01499.seq check: 1314 from: 1 to: 3822
 LWDVLESVASTYPEAAAIDDGQVLTYAELMEEVTALADSIHAQGIRRGDRIGIRMPSGTR
 DLYIAILATLAAGAAVVPVADDPEERAEMVFGEANINALFDATGFHMLRPTAGGDTRRP
 RLDDTAWIIFTSGTGKPKGVAVSHRSAAAFVDAEAQMFLVDHPSGPLGPEDRVLAGLSV
 AFDASCEEMWLAHGACLVPAAPRSLVRSGMDLGPWLIRRDISVSVTVPTLAGLWPAEAL
 SQVRLLIIVGGEACSQELVERLSTPDREVWNTYGPTEATVVACGTQLYAGQPVGIGLPLAG
 WDLVVVDDAGEPVGIGEVGELVIGGVGLARYLDPEKDREKYAPLKSXGWTRAYRSGDHVR
 LEEDGLYFVGRVDDQVKIGGRRIELGEVDANVAALSNVRSSAVVVQTTGADQKVLVAVVS

LEDAAAGFDHNVATARLTETMPAALVPRIHVMDLPTTSGKVDKSLPWPLPGTVVEAN
 DLSATEAWIAQEWDILGTSVSSKDADFFSLGGTSLAAATLVGRVRAKVPTAAVRDLYDH
 PRLEKFAERVEAIAADTGISLEAPNQVEERVVKPVSFQTRVMQTLIQIPIMTLQAAQWIA
 WLLLGNNIMAALDFDWAHVHVSWWLVIGMILVFATPIGRPLIGGWGARIITRGITPGSYPR
 GGSTHLRIWSAERLADASGRNISGATWVNYFARSLGVKMGKVDLHSLPPITGLLTGN
 NVSIEQEVDLRGYWLDDGILRVGTIEVHDNARIGARSTLLPGTVVGTGAHLLPGSTVTGD
 KTIKPGSRWAGSPAQKVGRAKHRFPTSHPPRRSRWVPVFGATSIVLSLLPLQALAIGAAI
 TLWLATISPLPLIWGVLFATVVGALAAFFAYTVTIWVLVRLIQIGIKGGTAPVRSRLGWQ
 VWAVQRLMDDARTYLFPLYASQLTPLWFRSLGAKIGKDVEISTAVMVPKLADIREGAFLA
 DDTLIGGYELGNWLLSGETRVGKRSFIGNSGIAGPERKLAKNSLAVLSSTPKKAKANS
 NWWGSPPERMRRTVEVDEGEAKTYSFGFGVKFARGAVETARLLAPITSGVLAALSLLLM
 QYLLTEFNMWITWLLGGLILMTVGVLAMGITVVMKWVCVGKHKPSEHPLFSRFVWLNELQ
 DAFVESVAGPWFLVPNLGTGALNAGMSALGAHIGRAWIESYWLPELTDLCYIGKGATVGP
 GVVVQTHLFQDRVMSLDTVTVDAGATLADHSVALPASLIDASATIGPGSLVMRGDKVPAH
 TRWQGNPIEPWSNS

>RXN01555 TRANSLATE of: rxn01555.seq check: 3558 from: 1 to: 960
 VNKGVVLVAGGFSQNPRLMKYMPPTPQFSRTNESATGDTMALAAKVGARLGDDNGENA
 LWFPSISIGTRADGSTAVYPHIWRGRGLGVIAVNAAGERFVDESVSYHRFVRAMYENKTT
 PTVSAWLIVDSHTLAKYGLGMITMPLPKLALQKYIDSGYLHAGSSDELARSIGVDARG
 LEQTVKRYNTFAKTGIDEDFHKGELLFGQAAGDPDNKPNPNVGPPIKKGPFYAIADVPTPL
 ATAFGISINPNGQVSEDEGEPIIGLYSAGNDAQSVMASEYPGAGSQVSGMFTFGWIAAQH
 AVGKAGKSGGAKAGYAASSK

>RXN01608 TRANSLATE of: rxn01608.seq check: 9638 from: 1 to: 1839
 MALCMTVAFAGGSLTACTPRPDTADPIAEFFLQAWASQDFDTIADITDQADLATEMLSTS
 FDGLQADSVELTLDSDVSRDTIATANFSVWVKLPDRDREVSYSMTLTKMRNEWTVRWEP
 SLVHPKLGANQHLELRAIEAQRANVISSDGAPVLAPGSIYRVLDPSAGDADVVVKRVAD
 YLNEAHATDENVTLDVEDIMSNLGDSTYSLTTVDANLGARMEQDLAGIPGLTFNEEASM
 VATDPGFAPDIVSRVARIVEDELEGSNGWRASIVTSNGAVIDDIAYDAPELAPSVRISLD
 HNVQRAAEEAVDLRAEMKAMMVMPSTGEILAVAQTDDEADKGDVALMGQYPPGSTFKI
 ITAAAGLAHEGLTPDSIVPCPGTMNIYGRIVTNYNSFSLGNTSLDDAFANSCNTTFADIF
 HHLEPGQLKNVAKQFGLGIDYQIPGLDGMTGSVPEGDIVLDRTESGYGQGLDLASPFQMA
 LVASTAATGSVPTPTLISGHETVASEEVLALDPEVLANVQRMMSVNDGTARGMRQTGG
 QIYAKTGEAEINEGSHAWFTGYREDDIAFATLVVLGGGSEAAAAVTDQFFVKLDELRAAG
 EVAVSEAEQPVG

>RXN01619 TRANSLATE of: rxn01619.seq check: 4967 from: 1 to: 975
 MRAITHNTFGDPADVLQITEKEIPTPGPGQVRIQVTLATHNHDLWTVKGSYGFVPDLPA
 AAGTEAVGIVDALGEGVEGLQVGQVRASGTSFGIWAELVDASGLIPVPEQLSDESAAQ
 LVAMPFSAISLLDFLDMKPGEWLIQNSANGAVGRMLAQLAESRGIHVVGVLVRRDAGVQEL
 AAQNISGVVSTETPGWEKQVEDITGGASIAVALDSVGGSSAADLVKLLGEGGTLVSFGAM
 GNPIEIPSGPVIFKHITVKGFWSKVSREMPAEKKTQLFGELIARILDGTLTLPVDSTF
 DAADIVSAVRASSEPRAGKVLIRF

>RXN01653 TRANSLATE of: rxn01653.seq check: 1458 from: 1 to: 1461
 MATAENTTQENRKILFNAFDMNCVAHQSPGLWTHPKDKARDYNTLDYVWHLAKTLEKGLF
 DGLFIADVLTGYDVYSSNEAALSSGAQVPVNDPILLVSAMAYATKNLFGGITAGTAYEH
 PYPFARRLATLDHLTNGRVGNVVTGYLPSAAQNMGTDQQLPHDERYDKADEYLEVIYKL
 LEGSWEDDAVQNNETSVFTDSSKVHAINHHGKYFDVPGIAITEPSVQRTPVIYQAGASP
 RGLKFAGENAEAVFINSSTVEAITKTVAKIRAAVAAGRDPHAVKIFAMQTIITGETEAD
 AQAKLEEYSRYIDPVGGLTLMMSGWTGADLSQYDLDEPITNIESNAIQSTAATISNGTGEG
 AWTVRKLGEATGIGGFGPVLVSGGANVAELARIQDLSDVDGFNLAYAITPGTFEDVVDF
 VVPELQKLSRYKTEYAPGSLRNKLLGKGDRLLDTHRGASYRLGARNSTATIDLSSISAQL
 VSQGAHS

>RXN01716 TRANSLATE of: rxn01716.seq check: 2732 from: 1 to: 486
 EVTPEGFKEITRENTIVRLGKGVDATGQLDPEAIERTRVALENYVELMETHGVEAVRMVA
 TSATRDASNRDEFFSMTRQLLSKIRPGYQAEVISGEEEEALLSFRGAIVDLPEDQGPFCEVI
 DLGGGSTEFIVGTYDGEILGSHSTQMGCVRLLTERIMRSDPPD

>RXN01842 TRANSLATE of: rxn01842.seq check: 4367 from: 1 to: 918
 MSKVYVSNEYGGPENQELITRNTPOPGPGELGVKVAAGVNPLDWKVRSGVAGTPRELPA
 PLGEEASGIVTAVGDGVEGFAVGDPVLGLVAPGVGGYAEDTLLVAESTVLKPEEISFTDA
 AAI PVAGASAYAGTHQVELEPGQSLLINGAGGGVGLMAAQIGRVHKFQVVGVDHEDKREL
 IESTGAIFVATGDAVAEQVRALLPDGVDVVFVLDVGGEALRVVAPLAKNPAHVISAADAAT
 VGELGGQVLRRTPEMVGQITGVVQYGLVDPKVDTTYPLEQAGKALAHVEQGHARGKIVLE
 LITSQD

>RXN01849 TRANSLATE of: rxn01849.seq check: 9896 from: 1 to: 1101
 MASQQIRYPFSAVVGQDELRLALILTAISPRIGGVIRGEKGTAKTTTVRAFAGLLGDAP
 LVNPLPGSTEDRVVGSLSNMETVLTGAEYQPGLLAQADGGVLYVDEVNLLADHLVDALL
 DAAASGRVSIERDGISSHPANFVLVGTMTNPEEGELRPQLLDRFGLAVDVAASNPEVRV
 EIIIRRLDFENAPEQFMKAWAEQDADTSNRILAAKDLLPGVELPDLILSQIAWLCARIEV
 DGMRADLVITRTALAHAAWAGRTVVTEEDVEIAARLALPHRRRRNPFDAPEMEERKLQET
 LQEARDFKDNEDKGPAAKITDEETGAEAFDTDNPTTEEDGLQGTAKAKAQTGKVGVTAG
 SGDPFRS

>RXN01868 TRANSLATE of: rxn01868.seq check: 1336 from: 1 to: 1926
 MKDLYRFVNGWLWDTHIIPDDRAVDGTFHKLRRDAEEDVHEIVKEDTGRAGTLYASFMDT
 DAINAAGVAPLDADLNRLSVANSSFFAAALGELDREGVGAPVGFWEKDSSESNEVAYVI
 QSGGLPDEAYYREEAHAETLAAYKEHVERMLGYLDNSRLFGLSAAASAAARIVALETEIA
 AGHWDVVKTRDAVATYNPTLALPPKVRTLLSSAGLPDQRLVSMMPSYLDHLNGLLVDD
 RLPDWQLWATWHILRSRAGLLTEEISQANFDYFGTKLSGATEQKDRWKRAVGLAERMVGE
 EIGQRFVERHFPPASSKEHMLELVDYLVAAYRDRISNLEWMTPATRERALEKLKGFNAKIG
 YPDKWRSYEGLEFGSDLVDNSRKGS AFLHDYELGKIGKPADRDEWVTTPTQTVNAFYNPVV
 NDITFPAAILRAPFFDPEAEAAENFGAIGAVIGHEIGHGFDDQGSQYDGDGNLNSWWTDE
 DRSAFEQLTSRLVTQFSGSLVPAVLTSEGITDGDVNGEFTLGENIGDLGGLGIADVAYEYKY
 LADRGQTFETSPVQKFEAEGAEGLAEQEFNGLQRLFLSWARVWRTKIRPQMAVQYLAI
 PHSPAEFRCNVIAGNVAEFYEA FVDPEDAPVYIKPEERLAIW

>RXN01885 TRANSLATE of: rxn01885.seq check: 4597 from: 1 to: 801
 MTTKPIIPESTHSAERAGGHILARLGKKVLRPGGRETTQFLLENLSLTGATVVEFAPGL
 GVTARDILGKGPARYIGVDSADACANVRAILPAGPHEVRNTNATDTGLESDFSFDVIGE
 AMLTMQTDKHKLELMREAAIRLKPGGLYGIHELSPDNVSTAVKEDIAKALARSIKVNA
 RPITVPEWAALAREAGFDVINIRQADMALLSLKRNLDKDEGLKGVFTIVRNVISQPDLRKR
 VLGMKRKTFTEHKDHLGAVGIILQKRAQ

>RXN01923 TRANSLATE of: rxn01923.seq check: 3715 from: 1 to: 750
 MSALIKSGPHHVVLNGWFGHAAGWGAFAADYLDLGNYTWHFWDYRGYGNRKDDAGEFTL
 EEISADIVAYIDSIEAEKVSILGHSMGGVFMQKVLADSATPIASLVGISAVAAAGTPFDE
 DSRKLFTSAGHNPDSSRAIIDFTSGSRQPAAWLDDLTDSAVQNSTPEAVEKYFFAWADCN
 FAADLGTQDLPVDILTGDLDPAVTKTAVESAFGPIYQNLTVHEELHDVGHYAI FEHPLGLA
 ARVLRFLDAV

>RXN01963 TRANSLATE of: rxn01963.seq check: 1780 from: 1 to: 684
 MKNRKKIMSTLTTCVAVLGIVAHPFHASAVIGGSPSTDSVANAVAKIGPGALNCSGVM
 ISPSWALTARHCVDIDINILGDIDITIPITPGIHRNEGNMGEVYRAPSGDLALININGVH
 KGTTAQLPTQEYPLGTAAQSVGFGGGVNIRTAESVNMILTIDYISVRSGKFHHGVGRSHY
 LLFDYDSAETGRIHKGDSGGPIFIGDEVVGIMSHGTINKNDGSFDDDES

>RXN01974 TRANSLATE of: rxn01974.seq check: 7604 from: 1 to: 1785
 MTQVVAGTLVGESINREIDEDKYPYLSSYAAPVAVPVREIIGREEEVNKIMAALMRPEIS
 NVMLVGPAGSGKTTLVQQALVKDPERNYIEVDVAKMVDLSTPAQMAARIKGVFEDAIAY
 RKHEGHELVLVDFEFHQIVQLSNAAVEAIKPILAMSGVLGVRVIAATTLEEFHEHIRPNQ
 ALTERLQEI RLTP TDQKTTVAILRGMADRYGVSDQFYDDHVFEQIYSTTERFMPSSVQPR
 KSIRVLDAMVGWHRLSGKPMMDLLGDVLHDAIGVDIAFKVDGTSIKDKLDEKVMASQLA
 TTVVARRLQLVVADLHDKSRPLSNFLFTGPTGVGKTELKQLARVLFGDDTGR LIRFDM
 EFALESSLDLFRSELTRRVADQGNAILVLLDEVEKADRAIARLLLQVLDDGRLSDDYNREV
 SFLNTYIVMTT NAGSEIFETISNYATDDTGDGRAIKDFVKNIH TS IKNKGFPELLGRVD
 EIVPFQPLSETTQDRIISKKLQDVATEVYERHGVKLHCSQKVMFEFLVDQVEESAESGGA
 RGA VRSLQREV VTEVATFINTYPEVRDIYVDVDGQMRNKTNRVSTARVVIKRVEG

>RXN01993 TRANSLATE of: rxn01993.seq check: 8105 from: 1 to: 1128
 MTLSEKLT TTTAKILPHPLNAWYVAAWDYEVTSKKPMARTIANKPLALYRTKDGRAVALA
 DACWHRLAPLSKGLVGT DGIQCPYHGLEYSAGRCMKMPAQETLNPSAAVNSYPVVEAH
 RFVWVWLGDPTLADPTQVPDMHQMSHP EWAGDGR TISADCNYQLVLDNLMDLTHEEFVHS
 SSIGQDELSESEFVVTHTEDSVTVTRWMHDIDAPPFQKNMNDKFPGFEGKVDRWQIIHY
 YYPSTICIDVGVA KAGTGAQEGDRSQGVNGYVMNTITPDSRSSH YFWAFMRNYRLESQT
 ITTQLRDGVSGVFKEDEDMLTAQQDAIDANTDYE FYSLNIDAGGMWVRRIEEALSKEGR
 LDIP TTFPRATPKPEA

>RXN01997 TRANSLATE of: rxn01997.seq check: 5274 from: 1 to: 486
 MTINEKIASAFNNQVTAELEASMVY LQLSYVLDDLGLTGMRDWMKAQSKEELEHAQKFAQ
 HLLDRDYTPQIGDIAPPKLDV TSAIEAFEASLAHEQKISGLIRELAAIQDAEKDYDSRAL
 IDWFLNEQIEEEATVGEIIDRLRIAGDSGSGILRIDGELGSR

>RXN02001 TRANSLATE of: rxn02001.seq check: 4280 from: 1 to: 1158
 MPVINSIASFSDEMTRWRRHLHQNP EISFDCVETAA FVAEQLRSFGVDEIHTGIAKTGII
 ALIHGREAGPVVGLRADMDALPLTEITGV DYASTTPGKM HACGHDGHTTMLLGA AKYLAE
 TRNFAGTVALIFQPAEENG GGGAGVMVDEGVLD RFAIAEVYALHNQ PGLPLGHFM TTAGPI
 MAAVDTFDINITGRGGHGAKPHQTRDP IVAAVGIVQAFQTIVSRNHN PVEDLVVSVTQIH
 TGSADNII PETAYINGTVRTFNKDVQAMVITRME EIVAGQAAAYGVEATLTYNRNYPATI
 NDAAKAAIAAEVAGEVGLGVNPNNGSRGMGAEDFSYFLEKRP GAYLFVGN GDSAGLHNPAY
 NFNDEAAPYGASFLARMAERPLPLKG

>RXN02053 TRANSLATE of: rxn02053.seq check: 1600 from: 1 to: 579
 MSLSVVEAITNRRATRKYTDEAPT PELIDKIVDLALEAPSAFNAQQREIVVITDPAQKQK
 LYEASHQKQFLTAPVT FIAVARVENEPEDLEEILGTERAERVAGFINGRSIQQAREATLR
 DASLAA AFLILAAQAEGLSTSPTTGWDEEKVKEAIGLGGREDRAIALVIATGFPNEQPEH
 PGRLQNRRI DNSY

>RXN02146 TRANSLATE of: rxn02146.seq check: 3577 from: 1 to: 627
 VGKHRNNSNATRKAVAASAV ALGATAA IASPAQAAEVVPGTGISVDIAGIETTPGLNN
 VPGIDQWIPSLSSQAAPTAYA AVIDAPAAQAAPAASTGQAIVDAARTKIGSPYGWGATGP
 NAFDCSGLTSWAYSQVGKSI PRTSQAQAAQGPVAYS DLQAGDIVAFYSGATHVGIYSGH
 GTVIHALNSSTPLSEHSLDYMPFHS AVRF

>RXN02274 TRANSLATE of: rxn02274.seq check: 3347 from: 1 to: 1710
 MSFEISRKQYTDLYGPTV GDSVRLADTEFLC VEEKDYAAIGEEVAFGGGKVIR DGMGQNG
 TLVRDVIDPDTVITNVIVLDYTG VYKADVALRDGKIFRIGKAGNPVMENVDIVIGVATD
 I IAGEGKILTAGGIDTHVHFLGTDQVNTALASGITTMI GGGTGPSQASMATTVTPGQWNT
 YNMLS AFE GMPMNF GILGKGHGSSKSP LAEQVRAGAIGLKI HEDWGATPSSINTALEVAD
 DMDIQVALHSDTLNEAGFVEDTIEA IAGRVIHTFHTEGAGGGHAPDLIRVAALPNVLPAS
 TNPTLPYTRNTVEEHLDMVMVAHHLNPDIPEDVAFADSRIRAETIAAEDVLHDMGIFSIT

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LG

>RXN02589 TRANSLATE of: rxn02589.seq check: 3006 from: 1 to: 765
 MSISDNSRDQLGELPAGRPLQSDFDNDLDYPRLGSVTFRRGTLTENQQTMMWDEKWPELGR
 VLEDELIDVDWFGREGAKTIVEIGSGTGTSTAAMAPLEADTNIVAVELYKPGLAKLMGS
 VVRGEIDNVRMVRGDIIEVLNRMFADGSLDGIRVYFPDPWPKARHNKRRIIQSGPLNLFA
 KKLKPGGVLVHATDHADYAEWINELVEVEPLLEYKGWPWEECPQLTDRQVITKFEGKGLE
 KDHVINEYLWQKVQN

>RXN02704 TRANSLATE of: rxn02704.seq check: 1921 from: 1 to: 1689
 MTTGASKKPARPNTGAKTRTGLGIRERISGAWNDLLARPLTDYIMILCIVVILSCLGVVM
 VYSSSMTWSLREGGSVWGTAVRQGIMIVLGFFAMWVALMTRPQTIRNLSNLILIVSIVLL
 LAVQIPGIGTGKEEVGSQSWIALGPIQFQPSIAKVAIAVWGAHYLAGKGPVQHWFNHNL
 MRFGGVGAFMAFLIFMEGDAGMAMSFVLVVLFFMFLFFAGIAMGWIAIAGVLI IAALAVLAL
 GGGFRSSRFVEYFDALFGNFHDVRGIAFQSYQGFLSLADGSGLVGLGQSRKWFYLP
 KNDIFAIIGEELGLWGGALVIALFAGLLYFGLRTAKKSHDPFLGLMAATLTASVVSQAF
 INIGYVVGLLPVTGIQLPMISAGGTSATITLASMGLLISCARHEPETVSAMASYGRPAID
 RLLGLREPSSTLTTSNASLRSNKTKAAKQKPSPKESRDRFGEPVTARRAQAPRSGRAGV
 QSEAPRRSTGSKGRSSGQDNGRSNEGRTARSQSTTGGRADRSVDRSRQSRPTERRSES
 AMIGVTTATADKCEIRRTTNKDG

>RXN02707 TRANSLATE of: rxn02707.seq check: 464 from: 1 to: 1530
 MTLGEIADIVGGRLTGGAQEDTLVSSSVEFDSRSLTPGGFLFLALPGARVDGHDFAATAIE
 KGAVAVLAAREVDVPAIVVPPVKIQESNADIYAHDPDGHGAHVVEALSRLARHVVDICVA
 GHQLNVVAITGSAGKTSTKDFIATVLDQDGPTVAPPGSFNNELGLPHTALRCTTDTKYLV
 AEMSARGIGHIKHLTEIAPPRIAAVLNVGHAHLGEFGSRENIAQAKGEIIIEALPSKKTSS
 VVPLNTDPFVARMAPRTKARVVWFTTDAQQAQKSDYWATSISLDAVARASFTLNTKDGSW
 PVTLQVFGEHQVANALAAAAIAMEAGVAPELVVAGLEAHSAAAHMDVKTRADGVTIIN
 DSYNANPDSMRAGIAALAYTASGRSEATSWAVLGQMGELGDDASEAHAELGAELAKYNVQ
 ELVAVGENPNCAALAESASLGVSTHVSDVDALELLAGHIKRDDVVLVKASNADRLWR
 VAEALHGMVPLKNTGGSVNDDSRNVEGQ

>RXN02723 TRANSLATE of: rxn02723.seq check: 9251 from: 1 to: 666
 VNKKVIAIVVGVVVVLVAILGVVAVFVPIKLVGNIEVTGATRTYPDQVLEVSGIVEGKNL
 FRVDATAAGQNIWELPWVKSVTNRPALPSTITVELTEREPAVFIKRADGDHVIDTEGKEI
 IIGTPPVGTVEVSGADEGNSEVLPAVIAVINAIKAQDAQMTESIQQVEAPDQFDILLKMN
 DGREIYWGSSENNHDKAVAMSTVLKREGQRWNISFPMVTVR

>RXN02813 TRANSLATE of: rxn02813.seq check: 4724 from: 1 to: 999
 VEAALAVAAPEHAAMAKATIDSYQLDVEELSRRAAEGGNPLIPLVTDLKAINPAGIHIG
 ATSQDIIDSALMLCMKEGVGEVVDKLLKARDLAELTAHKATPIMGRTLQGIATPTTFG
 ALTGGWLVAVDNAARALEALEFPVSYGGASGNMTAVHPRGFIEIQAKLAEELGLFDPQVWV
 HSDRTPITAIASALATAAGVVRKIAGDVVFYSQTEVGELREKSPGGSSAMPHKANPAAAI
 ACDGYARRAPGLLATLFDALDCRLQRTGSGWHAEWATLRELAHVTHSAVSRAATSIDGIT
 VNVDMASRVNGPTGHAEDLAERALEIYGKGRS

>RXN02820 TRANSLATE of: rxn02820.seq check: 6804 from: 1 to: 1311
 MKVTQSTFLKSVAFTVAALTLTISSCSGSDTSASSTDTENSSTQAAASPPLAPCELPA
 DASAEVEEGTHTGEDISVAPEIGTGYREGMTPVQTQGYAVATANPIASEAACAVLREGG
 TAADALVTAQFVLGLTEPQSSGLGGGGYILYYDAEANAATAIDGRETAAPVAADENYLIHV
 SAEDQTAPVPDARRSGRSIGVPGIVAALGQLHDSFGKTSWQDVLTPPQQLATDGFSISPR
 MSASIANSAEDLSHDPEAAAYFLDENGDAKAPGTLQNPDYAETIRLISEGGPDAYFTGE
 IAADIVERATREVDGFTPSLMSTADLAAYTPETREALCAPYRDKIVCGMPPSSSGGVTVM
 ETLGILNFDLAQYPPTEVGLDGLPNAEAVHLISEAERLAYADRDAYIGDPAFVEVPAG
 GVQQWINHVHTGEHSLK

ALHNARGTHIGCVINPGGLTTLRWRFWML

>RXN03028 TRANSLATE of: rxn03028.seq check: 9204 from: 1 to: 2775
 MFERFTDRARRVIVLAQEEARMLNHNHYIGTEHILLGLIHEGEGVAAKALESMSGISLDAVR
 QEVEEIIGQGSQPTTGHIPTPRAKKVLELSLREGLQMGHKYIGTEFLLLGLIREGEGVA
 AQVLVKLGADLPRVRQQVIQLLSGYEGGQGSPEGGQGAPTGGDAVGAGAAPGGRPSSGS
 PGERSTSLVLDQFGRNLTQAAKDGKLDPVVGRDKEIERIMQVLSRRTKNNPVLIGEPGVG
 KTAVEGLALDIVNGKVPETLKDKQVYSLDLGSLVAGSRYRGDFEERLKKVLKEINQRGD
 IILFIDEIHTLVGAGAAEGAIDAASLLKPKLARGELQTIGATTLEDEYRKHIEKDAALERR
 FQPVQVPEPSVDLTVEILKGLRDRYEAHHRVSITDGALTAQAQLADRYINDRFLPDKAVD
 LIDEAGARMRIKRMTPASSLREVDERIADVRREKEAAIDAQDFEKAAGLRDKERKLGEER
 SEKEKQWRSGDLEDIAEVGEEQIAEVLNWTGIPVFKLTEAESSRLNMEELHKRIIGQ
 DEAVKAVSRAIRRTAGLKDPKRPSGSFIFAGPSGVGKTELSKALAGFLFGDDSLIQID
 MGEFHDRFTASRLFGAPPGYVGYEEGGQLTEKVRKPFVSVLFDIEIEKAHKEIYNTLLQV
 LEDGRLTDGQGRIVDFKNTVLIFTSNLGTADISKAVGLGFGSGSSETSDAQYDRMKNKVH
 DELKKHFRPEFLNRIDEIVVFHQLTKDQIVQMVDLLIGRVSNALAEKDMSIELTEKAKDL
 LANRGFDPVLGARPLRRTIQREIEDQMSEKILFGEIGAGEIVTVDVEGWDGESKDTDRAK
 FTFTPRPKPMPEGKFSEISVEAAEAIQDVDSAADGDPETDLSLSDIDLETLEKFEEDVEN
 GTDIDQVSGDYYGTDDQGGTAPSKE

>RXN03036 TRANSLATE of: rxn03036.seq check: 4467 from: 1 to: 666
 MAEQLRQFEGRVLPNQSEDLEDQGLGFDLGTVFSSRRKVLGFIGVGGAGVALAACSPSGSS
 AASSTSSASSSAAATTSAAAETLTEMKSETAGPYPGDGSNGPDVLEVSGVERQDITKSID
 SDTVAEGVPLTTLTMTILDMNNNNQPMEGAAVYVWHCDAPGRYSMYDSELEDETYLRGVQI
 TDKYQVTFDTIFPGCYAGRWWHIHFEVFPDRDSITDSTNNI

>RXN03077 TRANSLATE of: rxn03077.seq check: 553 from: 1 to: 1185
 VMEIGVQVASWMDRHHDEVIKWRRLHSHPELSHMEYRTTEYLASVLKDHGMEPHLFPGT
 GLMVDIGPEGDSRLAFRADIDALPILLESTGLEFSSTATGVAHACGHVHTVIALALACAL
 NTIELPIGIRVIFQPAEEVMTGGATDVIAHGGLDGVDAIYAIHVEPKLVGRVGVRAI
 TSASDVIEIRVKGEKGHSARPHLSADVYVYALSKLVVDLPGLLSRRVDPRTGTVLVFGTIN
 AGYAPNAIPDSGIVSGTLRTADISTWRDMRPLISELVEQVLAPTGVTHELIYNPGVPPVL
 NDDVATALLASAARDMDTQSVVQAPQSSGGEDFSWYLEHVPGSMARLGCWPGHGPKQDLH
 QSDLVVDERAIGVGVRFLGSLVQQYSSRSEAFINS

>RXN03088 TRANSLATE of: rxn03088.seq check: 1646 from: 1 to: 387
 MGQTRIISGDARGRKIEVPPAGTRPTSDRAREGLFSSLQVRFGFEGQVRVLDIFAGSGALG
 LEAASRGADDEVVLVESNPKAVEVIRRNVDVVKHPRVTVAEMKASTYLASAPDKFFTMVLA
 DPPYELATT

>RXN03091 TRANSLATE of: rxn03091.seq check: 9170 from: 1 to: 546
 MIAKDSYTIKLTLDPDVQDAAHNAVSSHVDPTTPGVAEVVNVIEPGENS RDILAITSSRN
 YGLDL DAGETMLPQATSRVNGAGSIFKI FTAAAIQQAGLDTMLDVPSRYEVKGMGSG
 GAANCPANTYCVENAGSYAPRMTLQDALAQSPNTAFVEMIEQVGVDTRCGSFSKAGPAKL
 HR

>RXN03092 TRANSLATE of: rxn03092.seq check: 7622 from: 1 to: 885
 VSTNSLTCLVASTVAAGVLGALALVPFASLSGVAVARTNDTMQTNLSDLTDGRGPGVTT
 ITDSTDQPIAYIYAQRREFVGGDQISTSMKDAIVSIEDRRFYEHGVDLQGFGRAILTNL
 AAGGVEQGASTINQQYVKNFLLVEADDEAEQAAAVETSIPRKLREMKMASDLEKTLISKD
 EILTRYLNIVPFGNGAYGVEAAARTYFGTSAAELTIPQSAMLGIVQSSSYLNPTYNHDA
 VFERRNTVLGAMADAGAI SPDEASAFQOEPLGVLETPQGLSNGCIGAGDRWFFLQ

>RXN03094 TRANSLATE of: rxn03094.seq check: 3583 from: 1 to: 1752

EAARIAPISQILIEDAPYMTPEPFRGSRNEPSLIGHTALCIAEVRGMAVEDVAAALNENFDRVYGVTN
L

>RXS00004 TRANSLATE of: RXS00004.seq check: 8907 from: 1 to: 471
VLTQLIESSIFDNVASRESSEFLGHAAIDLLAGLVYEKATPYAPDEALRVAVYGYIRENLGSSQLTVAA
VAGAHRIAVRTLHRLFEGEAYGVAELIRHLRLEAVYEDLRDPRQLNLTLAIGMRHGISSQAHLTRLFR
AKYGVPPAEFRRGYINSAA

>RXS00156 TRANSLATE of: RXS00156.seq check: 311 from: 1 to: 1110
MNERTSDAFDALLVLSFGGPEGHEEVRPFLENVTHGRGIPPERLDEVAVHYHHFGGISPINALNREIIA
NVEKELASRDHKLPHYFGNRNWKPFDEAAEQMADDGVKNALVLATSAGGYSGRQYQEDIQGMIKHL
ESQGQSITFTKLRFYDHPFVSTMAQLVQDSYAKLPDELRLDEARLVFTAHSIPLTADNAAGTPEDGSL
YSTQVKEASALIAEAVGVSDFDVWVQSRSGSPHTPWLEPDIVDHAVELNEKGQKALVVCVPGFISDHME
VIWDLSELMEEAEKRNMMVVERVATVGPTDEFAALVVDLIEEAELKRVIERLGLKLPARGSSVNGAPCGD
GCCGTAKHKTARVNPNSAAPAAN

>RXS00166 TRANSLATE of: RXS00166.seq check: 9467 from: 1 to: 660
VELARGFGRVLDVGAGTGKLTSELTADQVLALDPSMDMLRVFRSALPAVPCWQATAEHTGIRDNAVDLI
TCAQTWHWVDVTAASAEFDRVIAPEGAVLLVWNNLDTSIAWVHRLSRIMHAGDVLKPGFTPETAAPWII
DREIRTTWNQHLTPEEIIQLAHTRSYWLNASEKIKERVDQNLQWLYEHLGFSPDNPVELPYRCDAFLL
SRSGTLAGRSSNL

>RXS00197 TRANSLATE of: RXS00197.seq check: 7429 from: 1 to: 1212
VAAYLLGVVLFLLGIAVTIALHEWGHFITARIFGMKVRFFIFGFGPTVFAKRRGETVYGLKAIPVGGFC
DIAGMTAQDELDPEDLPRAMYLKPWWQRIIVLSGGVIMNLIVGFLVLYGVAVSSGIPNPDVDTTATVDT
VQCVPETQISATELSSCVSGSPAGDAGIEHGDKILAVNGQEMASFTAIRDAILELPGETATLTIEREGT
LFDVDLQVASVTRLASDGSEITVGAVGMSSLPPTDVYKKYGPPIEGVGATARFTGDMISATWDGLKAFPA
KIPGVVASIFGAERDVESPMSSVVGAVRIGGEFVERSMWDMFMMMLASLNFFLALFNLVPLPLPDGGHIA
VVIYEKIRDFFRKLGRKPAGGPADYTKLMPVTVAVAALLMTVGGLVIVADVNPPIRLFG

>RXS00288 TRANSLATE of: RXS00288.seq check: 2098 from: 1 to: 1011
MSAQMDTPDPTMSAVAMLDIPSQDPDFLIDVEVDPRPTGPHDLLVHIEAVSINPVDTKVRMRAGKQKH
PKILGFDAAGEVVAVGSQVTLFNVGDKVYAGSNQRPGSNAEYQVVDRLVGHAPQSLGAHDAAALPLV
ALTAWESLFDRLGVTQSTTGTLVLGGSGGVPSALIQRLARALTGLKVVATASRPESQEWVTKLGAHEVI
DHSKDLSEQISDVDFVSSWTTGREVELATLMKPQSHLVLIIDDPVDPNLGAFKQKAIALHWEFMFTRAM
FNTPDMEQGQKILNKIADMVDRGQFESVTATVLDGLNAANIMEGHRLVEQGKTSKGIIVRV

>RXS00624 TRANSLATE of: RXS00624.seq check: 6054 from: 1 to: 687
MSGRLLSVSSIFDQTRSAADRLISDLRADGIEVSLLVAPRIDGDWRLAKDKGTLAWMEQQRERGH
LNGFDQAVQGRRSEFANLERHEARLRLTGAIQRMQKIGFEFQIFAPPRWRMSEGTFAVLPEFDFNVAAS
TRGLHNLDTGEFLACRNLVSGEGFGAAKWRKNVIKAVTRGAEKGNTVRLSASARNLTNPKVAADFREA
ALAALDLGAQVQTYSQAAQLA

>RXS00949 TRANSLATE of: RXS00949.seq check: 7131 from: 1 to: 648
MKVFIIGAAGGIGNRLSSLLHARGDAVSGMHRNLEQASKITDTGATAVLGDLIHNSTEELAELEFRGHDA
IVFSAGAHGTGQENTTLIDGAGLRKAADAASAANVSRFILVSAPFESSRGENTTENFEHYMKVKSADV
YLSHTDLDWVIVRPGVLQDEAGDGLVTAGLAINYGNVARDNVAAFIDEALHQPQLSKIIVELTDGSTPV
AEAYERLIK

>RXS01000 TRANSLATE of: RXS01000.seq check: 4854 from: 1 to: 846
MSTLTSHRTVPAPSSPPARPKNLARNIVAIVAALIVLIATGTLKIEWNELPQMPAQVWHYLELMFSDPD
WSKFGRAVQEMWRSIAMAWLGAILCVVSVPLGMLAARGVGPYWLRTVLRVFAVIRAFPEVVIAIILL
TVTGLTPFTGALALGISGIGQAKWTYEAIESTPTGPSEAVRAAGGTTPEVLRWALWPQVAPSASFAL
YRFEINIRTSVAVLGIVGAGGIGSMLANYTNYRQWDTVGMLLIVVVVATMIVDLISGTIRRRIMKGASDR
VVAPSN

>RXS01002 TRANSLATE of: RXS01002.seq check: 1757 from: 1 to: 804
MNSDASATTNSWAINFDHVSVTYPNGTKALDDVSLTINPGEMVAIVGLSGSGKSTLIRTINGLVRATEG
TVTVGPHQINTLKGKALRDARGQIGMIFQGFNLSSSVFQNVLVGRFAHTAWWRNLLGFTEHDKQIA
FHALESVGILHKVWTRAGALSGGQKQRAIARALSQDPSVMLADEPVASLDPPTAHSVMRDLENINNVE
GLTVLVNLHLIDLARQYTTTLVGLRAGKLVYDGPISSEATDKDFEAIYGRPIQAKDLLGDRA

>RXS01003 TRANSLATE of: RXS01003.seq check: 6582 from: 1 to: 804
MTTPSSTLIPQKPRAGVKTYLIIGAIVVFTVATATPALGGIELDFASIAANWRNGANKLLQMLQPNFAF
LPRTWLPMLLETQLMALVGAVLSAAVSVPLTLWAAQATNTSAIGRGIVRTIINVVRVSPDLVYATILVAM
VGVGALPGILTFLFNLGIVVKLVSEAIDSTEPYMEAGRAAGGSQFQINRVLSALPEVMPFLFANQWLYT
LELNVRISAILGIVGAGGIGRLLDERRAFYAYADVSVIILEILIVVIVIEVISNALRKRLV

>RXS01114 TRANSLATE of: RXS01114.seq check: 9460 from: 1 to: 1224
MNPQDIVICSPRLTPVGAYGGSFTGVPVEELATTVINAVEATGITGDDVDDLILGQASPNGAAPALGR
VVALDSKLGQNVPGMLDRRCGSLQAIVTAAGHVASGAADLIAGGAESMSRVEYTVSGDIRWGVKGG
DMQLRDLRLAEARETAGGRNHPIPGGMIETAENLRREYGISREEQDKISAASQQRWGKAADAGLFDDEIV
PVTVPKKRGQEPTIVSRDEHGRPGTTVEKLAALRPIMGRQDAEATVTAGNASGQNDGAAAVIVTTRAK
AEEKGLRPVMLAGWSVAAPPETMGIGPVPATKKVLDRLGLTLEDIGAIELNEAFAAQALSVLKEWNI
SWEDERVNPLGSGISMHPVGATGARMAVTLAHRMQRENTQYGLATMCIGGGQGLAAVFEKEN

>RXS01205 TRANSLATE of: RXS01205.seq check: 7949 from: 1 to: 531
VSAYPPAIIAAALVGICAGVLPHNFEPSTRIFMGDSGSMIGLILLAAASTSASGKINMSLYGAADFIALI
SPIIVVLAAVAIPLLDLVMAVVRVVRGASPFSPDKMHLHRLLSIGHTHRRVVLVLYTWASAVAFGAV
SFSVVPPLFATGSSICGILIAVAVTAVPVMKSRRRAAKLD

>RXS01223 TRANSLATE of: RXS01223.seq check: 5210 from: 1 to: 612
MTSVSFLSKIQALFAPKPELPAAKWLVLVGLGNPGAKYESTRHNVGVMCQDMLIDAHQQQPLTPATGYKA
LTTQLAPGVLAVRSTTFMNHSGQGVAPIAAALGIPAERIIHDELDPAGKVRLKKGNGENHNGLS
LTEELGTRDYLVRIGISRPPAGMAVPDYVLEPVDHDPGIELAAEAVDLLLLAQGLSAAQNAIHSR

>RXS01269 TRANSLATE of: RXS01269.seq check: 7324 from: 1 to: 441
VVFEMIKFRMTLEPDEKHVTDEQRLTKVGKLLRETSDELPTLWNVFKGDMSLVGPRLLVSYLEHYSS
EQARRHEVRPGITGLAQVNGRNQTTWDERLKL DVEYVDRCSLKLDFKILIATVKTVLSKKGISNEGHVT
MPSFIEERK

>RXS01421 TRANSLATE of: RXS01421.seq check: 1863 from: 1 to: 387
MTSKSISGKRPNLPSLTGARWLAALAVYFLHALVFLSVYPFQQSELFATIHKFVPMQLGSAGVTFFFIL
SGFLIYWSNSQLKGMKNVLYYCKRRITKIYPMHLIALPMFIEASAKFTTTGITWVLILRE

>RXS01491 TRANSLATE of: RXS01491.seq check: 8146 from: 1 to: 651
MLDESLFPNSAKFSFIKTGDAVNLDHFHQLHPLEKALVAHSVDIRKAEFGDARWCAHQALQALGRDSGD
PILRGERGMPLWPSSVSGSLTHTDGFRAAVVAPRLLVRSMLDAEPAEPLPKDVLGSIARVGEIPQLKR
LEEQGVHCADRLFLCAKEATYKAWFPLTHRWLGFEQAEIDLRDDGTFVSYLLVRPTVPVFIISKWVLRD
GYVIAATAVT

>RXS01572 TRANSLATE of: RXS01572.seq check: 5324 from: 1 to: 492
MGVQIAAAKGAEVTVLSRSLRKAELAKELGAARTLATSDEDDFFTEHAGEFDFILNTISASIPVDKYL
LKPVGMAVVGLPPEKQPLSFGALIGGGKVLGTSGNIGGIPETQEMLDFCAKHGLGAMIEVGVNDVDAA
YDRVVAGDVQFRVVIDTASFAEVEAV

>RXS01642 TRANSLATE of: RXS01642.seq check: 4751 from: 1 to: 1242
MRRLIAVSLAALFMLASTPATRAQEVEALACPEVAIADPSSAVLDEHLSQSLSQAHLATGAGVMVAVI
DTGVSLHPRPLPHLIPGGDFVGAHQSPDVPGLIDCDGHGTIVAGIIASQGNPGTGWPYDGSSDPYIGVA
PDSGIISIKQTSSYVRTREDSNVGTLSLAESIHRALDSGAHVINISVVSCLPQSPDEAASFQPLTDAL
NRAELQGVIVVAAAGNLGQDCPVGSTVYPASDVTLSVSARFDSHTLAEYSMPGNQQLSAPSHIQAGL
SPRGDGFASHMITTAGESPFEGETSFAAPVVSATAALLRQHFPFATPYEIRARIFNSIDPARGAIDPYLA
LTQEIYPTTPLVHEIALSVPTPPDDSPRERGILVTAIIVGLLAVLAVLMGLRRIHHHSFAQKASSSVIT

>RXS01902 TRANSLATE of: RXS01902.seq check: 3503 from: 1 to: 1059
VQKKSRTGQTTWNGGPPIENPGTSFILSAGDQANHSSWDEHSAYISPETLRNYRLAVNNGNHDQYNYDA
YNAMYPRPNQVDENYFFEYNNALFLSLDSNDYLDIDDDIAFLRDTVAAGHDDKDWIVLTYHHSTFSQAY
HMDDARIKYQRERLTPVISELNVLDVLGGHDHIYTRSHLMNGFTPVDAGREAVVGETLNPKEGVEVYLA
TNSSSGSKFYDFYDFQLGQRYDTGLDFQETVDQKKIRTYTAVWNQDQVQDYTNVELTPEGLTVTTKDAV
SGELVDQFTLSKQDRDEESEVPVEDDKDGDNATGSSNLGLAAILAPVLAI FGFVGGFLVVGGSGLAEFFA
NLGVKMPF

>RXS03218 TRANSLATE of: RXS03218.seq check: 4671 from: 1 to: 837
MTPDLAAFLDKLYAEGQEFDAEQPDRDLRRRNLESESAALLRSLIYGISPKSVLELGTSGYSTIWMAD
VVNLTTVDNDPERSLDAAANLRAAGVEEKVQRIVADGATVLADSADAEQWDFIFLDAEQSLYVNWVWPDLQ